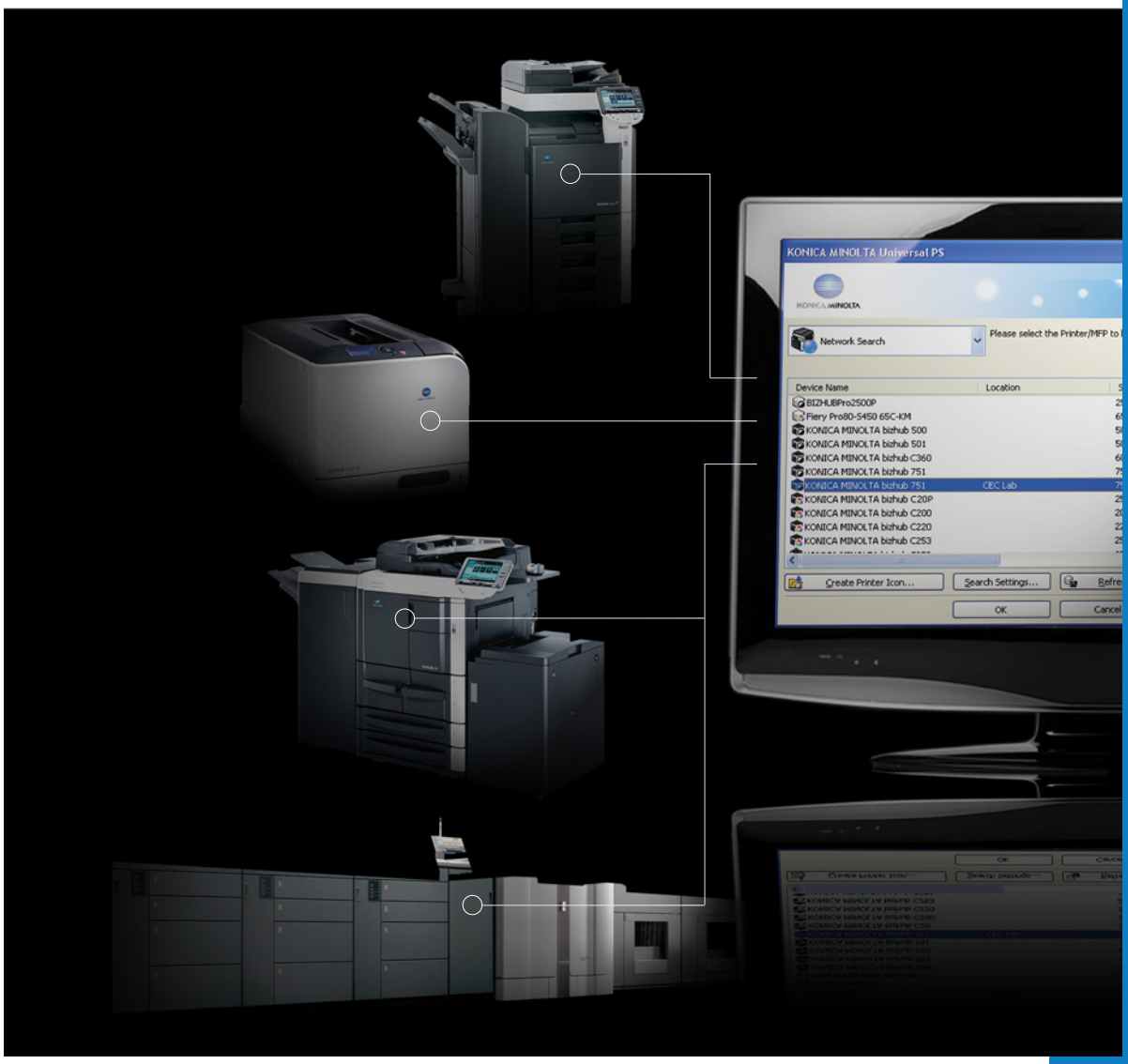
KONICA MINOLTA

universal printer driver system administrator's guide



Version 1.2 Date 8/21/10

COUNT ON KONICA MINOLTA

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The information in this document applies to the following versions of the KONICA MINOLTA Universal Printer Drivers:

- KONICA MINOLTA Universal PCL Version 1.10.1.0
- KONICA MINOLTA Universal PS Version 1.10.0.0

Konica Minolta's Universal Printer Driver is a powerful new print solution that increases print productivity and reduces administrative costs by offering a single printer driver for all devices.

User Benefits

EASIER PRINTER MANAGEMENT

You can access multiple printers in your office using a single KONICA MINOLTA Universal Printer Driver. Eliminate the work and cost of installing and managing separate printer drivers for each division.

FEWER PRINTER ICONS

With a KONICA MINOLTA Universal Printer Driver, you do not need to create a large number of printer icons. This eliminates several issues, such has cluttering your computer with many seldom-used icons, and having to guess which printer to select every time you print something.

CHOOSING THE BEST PRINTER

Choosing by printing method

You can select a printer based on information about the printing speed and functionality of each printer. For example, if you want to print to A3-sized paper in color at a speed of at least 20 ppm, you can easily find the printer that matches these parameters, and print to that printer.

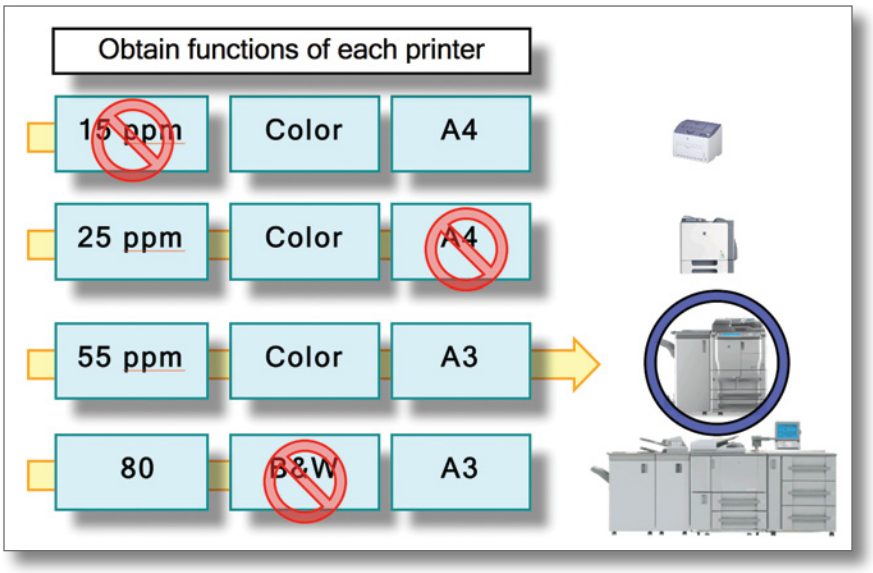


Figure 1-1-1 Example of Selecting Printer by Printing Method

1. Introduction

Choosing by printer status

You can make sure that a printer does not have an error or warning, and check the backlog of jobs on the printer. Check the status of each printer, and choose the one that can print your job the fastest.

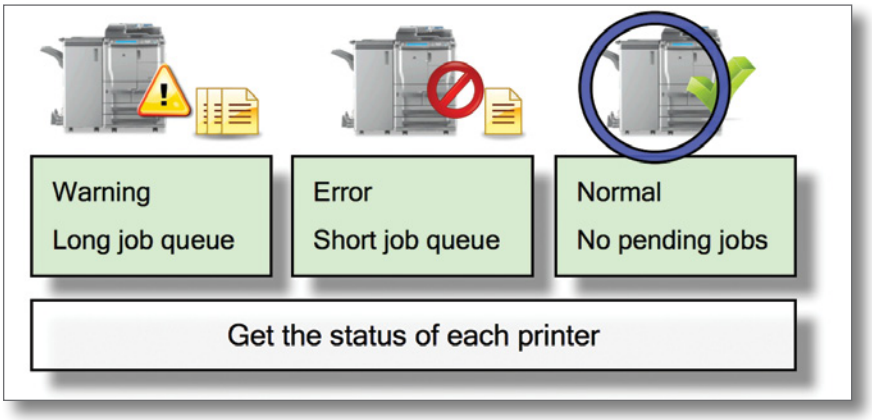


Figure 1-1-2 Example of Selecting Printer by Printer Status

PRINTING IMMEDIATELY WHILE AWAY FROM THE OFFICE

Once you have installed KONICA MINOLTA Universal Printer Driver, you can print right away while you are away from the office without installing a new printer driver or setting the printer's IP address. Universal Printer Driver will detect the available printers at your current office; all you need to do is select the printer that suits your needs.

Features

- Print to KONICA MINOLTA devices as well as third-party devices (see 2.4 Third-Party Product Compatibility for details).
- Use many KONICA MINOLTA devices with nearly the same windows and functionality as a normal driver (see 2.3 Supported Models for details).
- From the device list on the Universal Printer Driver window, you can check the name, status, location, printing speed, IP address, Mac address, color-printing capabilities (whether it is color or B&W), and PDL support of each device, and select devices as well.
- Three methods of device access are available: "Network Search", "History", and "Manual Connection". Access your devices using the method suited to your needs.
- In addition to selecting an output device from the Choose a Device window, you can use Universal Printer Driver to create separate printer icons beforehand, and access the device-specific printer dialog using nearly the same method as an ordinary printer driver.

2. Software Description

2.1 SYSTEM REQUIREMENTS

KONICA MINOLTA Universal Printer Driver supports the following OS versions.

NOTE: We will end support for Windows 2000 Professional on March 31, 2011, due to end of support for Windows 2000 by Microsoft. Please contact your local customer support or dealer for more information.

- Windows 2000 Professional (SP4 or later)
- Windows XP Home Edition (SP1 or later)
- Windows XP Professional (SP1 or later)
- Windows XP Professional x64 Edition
- Windows Server 2003, Standard Edition
- Windows Server 2003, Enterprise Edition
- Windows Server 2003 R2, Standard Edition
- Windows Server 2003 R2, Enterprise Edition
- Windows Server 2003, Standard x64 Edition
- Windows Server 2003, Enterprise x64 Edition
- Windows Server 2003 R2, Standard x64 Edition
- Windows Server 2003 R2, Enterprise x64 Edition
- Windows Vista Home Basic (x86/x64)
- Windows Vista Home Premium (x86/x64)
- Windows Vista Ultimate (x86/x64)
- Windows Vista Business (x86/x64)
- Windows Vista Enterprise (x86/x64)
- Windows Server 2008 Standard (x86/x64)
- Windows Server 2008 Enterprise (x86/x64)
- Windows Server 2008 R2 Standard (x86/x64)
- Windows Server 2008 R2 Enterprise (x86/x64)
- Windows 7 Home Basic (x86/x64)
- Windows 7 Home Premium (x86/x64)
- Windows 7 Professional (x86/x64)
- Windows 7 Enterprise (x86/x64)
- Windows 7 Ultimate (x86/x64)

Windows Cluster environment, Windows Terminal service environment, and Citrix server environment are not supported.

2.2 UPD COMPONENTS

KONICA MINOLTA Universal Printer Driver consists of four main types of component: UPD Core, Child Driver Core, the Device Selector and child drivers. UPD Core is the core module of UPD, and provides functionality used internally throughout UPD. Child Driver Core modules provide functionality common to each device type. The Device Selector is a module for selecting the output device when printing. After you have selected the output device, you can connect the individual printer driver that is appropriate for that device. These individual printer drivers are called "child drivers." The child drivers' dialogs are used for printer setup.

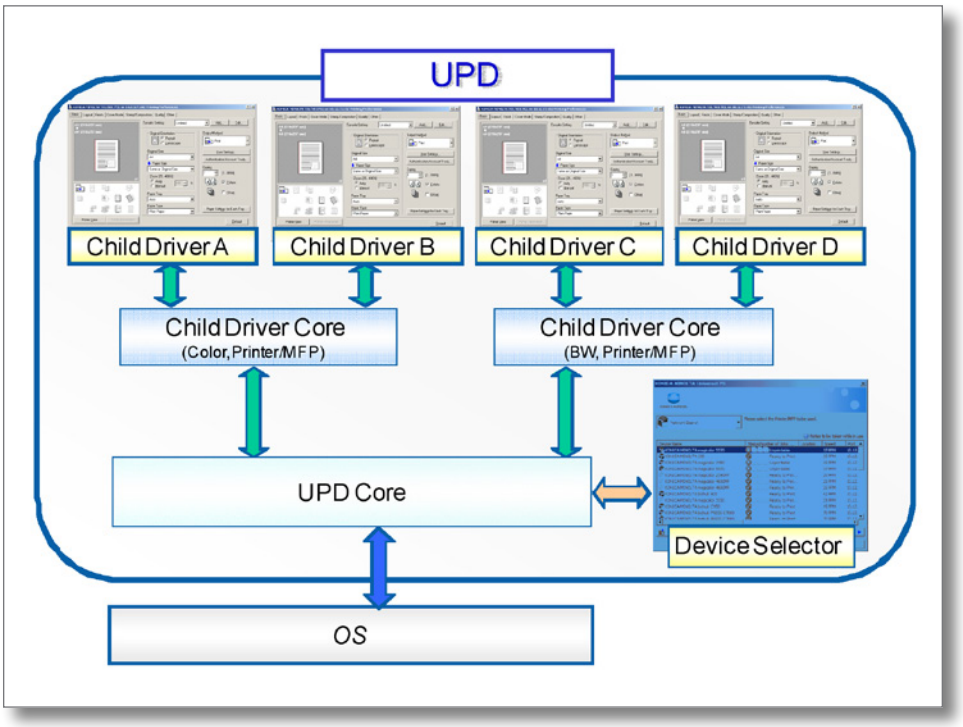


Figure 2-2-1 UPD Components

Essentially, in order to use UPD, launch the Device Selector first, but if you select and register the output device beforehand, and create a printer icon, you can also access the child driver directly.

There are also two types of UPD version: the UPD representative version, which is the overall version for UPD, and the individual version of each child driver. See 4.4 UPD Versions for details on how to check the version.

2. Software Description

2.3 SUPPORTED MODELS

The table below lists the KONICA MINOLTA devices supported by each of the Universal Printer Drivers.

Table 2-3-1 KONICA MINOLTA products supported by Universal Printer Driver

Individual Child Drivers (*1)	KONICA MINOLTA Common Child Drivers (*2)		Common Child Drivers (*3)
	bizhub series	magicolor & pagepro series	
bizhub 350/250/200	bizhub C353P	magicolor 4650EN/DN	Other products
bizhub 362/282/222	magicolor 8650DN	magicolor 5550/5570	
bizhub 500/420/360	bizhub C200	magicolor 5650/5670	
bizhub 501/421/361	bizhub C360/C280/C220 (*4)	magicolor 5450	
bizhub 750/600	bizhub C650/C550/C451 (*4)	magicolor 4695MF	
bizhub 751/601	bizhub C652/552 (*4)	pagepro 4650/5650	
bizhub C250/C250P		bizhub C20P	
bizhub C252/C252P		bizhub C30P/C31P	
bizhub C352/C352P/C300		bizhub 40P	
bizhub C353/C253/C203		bizhub C20	
bizhub C360/C280/C220.			
bizhub C450/C450P/C351			
bizhub C650/C550/C451			
bizhub C35/C35P/magicolor 4750			
bizhub C652/C552/C452			
bizhub C652DS/C552DS			

(*1) This indicates a printer driver supporting an individual model. The devices listed in this column can print using nearly the same functionality as a normal driver. See Table 2-3-2 Differences between Individual Child Drivers and Production Version Drivers for details about the differences between normal child drivers and Individual Child Drivers.

(*2) This signifies common printer drivers for KONICA MINOLTA devices. There are two types: one for the bizhub series, and one for the magicolor and pagepro series.

(*3) These are common printer drivers included with third-party products. Only the main functionality is available. (See section 2.4).

(*4) The supported drivers depend on the device's firmware. The Individual Child Driver can be used if the latest firmware is used.

Table 2-3-2 Differences between Individual Child Drivers and Production Version Drivers

Model	PDL	Target	Differences from Production Version Drivers
Common to All Models	PCL/PS	Printing Preferences	[Favorite Setting] presetting is not supported. Upon start of use of UPD, [Favorite Setting] item is [Default Setting] only.
	PCL/PS	General	When using Point & Print: • In the server's [Printing Preferences] window, [Output Method] and [User Settings] settings are not reflected on the client. • In [Properties] window in a local environment, the settings of [Advanced] tab-[Printing Defaults] are reflected as the defaults in [Printing Preferences] window.
	PS	Printing Preferences	[Quality] tab-[Quality Adjustment]-[Download Manager] is not supported. Even if there is [Download Manager] button, it cannot be used
	PCL/PS	Printing Preferences	[Quality] tab-[Image Compression] is not supported.
bizhub 350/250/ 200/362/282/222/ 500/420/360/750/ 600	PCL	Printing Preferences	[Quality] tab-[Image Compression] is not supported.
bizhub 362/282/222	PCL	Printing Preferences	[Other] tab-[Thin Line Support] is not supported.
bizhub 751/601	PCL/PS	Printing Preferences	The default value of [Layout] tab-[Image Shift Settings]-[Back Side] is [Bottom].
Bizhub C450/ C450P/C351	PCL/PS	General	C351 uses the same child driver as C450/C450P. For this reason, the same functionality is provided for C351 as for C450/C450P. In [Properties] windows, [Configure] tab-[Device Option]-[Model] item switches among three models: [C450]/[C450P]/[C351].
bizhub C360/C280/ C220/C652/C552/ C452/C652DS/ C552DS	PCL/PS	Printing Preferences	The following items are not supported. • [Basic] tab-[Original Size]-[A0], [A1], [A2], [B1], [B2], [B3] • [Stamp/Composition] tab-[Copy Security]-[Copy Guard], [Password Copy] • [Stamp/Composition]-[Overlay]-[Edit]-[Edit Print In Overlay] dialog-[Change 2nd Page and Later] • [Favorite Setting]-[Add]-[Add Favorite Setting] dialog-[Restore Items]
	PCL/PS	Properties	The following items are not supported. • [Configure] tab-[Obtain Settings]-[Enter Password to acquire Device Information] • [Configure] tab-[Device Option]-[Function Version] • [Settings] tab-[My Tab Settings]
bizhub C35/C35P/ magicolor 4750	PCL/PS	Printing Preferences	The following item is not supported. • [Basic] tab-[Job Retention], [User Settings], [Authentication/Account Track]
	PCL	Printing Preferences	[Stamp/Composition] tab-[Copy Protect] is not supported.
	PS	Printing Preferences	The following items are not supported. • [Stamp/Composition] tab-[Print in Overlay] • [Quality] tab-[Color Settings]-[Custom]
	PCL/PS	Properties	The following item is not supported. • [Configure] tab-[Device Options]-[User Authentication], [Account Track]

Note: Items not supported by the Individual Child Driver may be described in the help.

2. Software Description

2.4 THIRD-PARTY PRODUCT COMPATIBILITY

This section describes the third-party printers and multifunctional printers supported by KONICA MINOLTA Universal Printer Drivers.

Information on the "Network Search" window

This page shows all the devices found on the network that are recognized as printers. Printers determined to be third-party devices as shown with the corresponding icon in the "Others" field. Information about color/black & white and PDL support is also obtained, and displayed on the Device Selector window. The Standby Job number, however, is not obtained.

Table 2-4-1 Printer Type Icons

Meanings of Icons		PDL Support YES	PDL Support NO
KONICA MINOLTA models	Color		
	B&W		
Others	Color		
	B&W		
	Unknown		

Printing to Third-party Devices

If a third-party device is selected, the "Common PCL/PS" driver is loaded, enabling print data to be sent. Konica Minolta cannot, however, guarantee the print results.

Table 2-4-2 Common PCL / PS Driver functions

	COMMON PCL	Common PS	Remarks
	PCL XL PROTOCOL 2.1	PS LEVEL 3	
Job Tab			
Favorite Setting	Default Setting	Default Setting	
	User Settings	User Settings	
Original Orientation	Portrait	Portrait	
	Landscape	Landscape	
Original Size	Letter	Letter	(8.5x11 in)
	Legal	Legal	(8.5x14 in)
	Executive	Executive	(7.25x10.5 in)
	A3	A3	(297x420 mm)/(11.7x16.5 in)
	A4	A4	(210x297 mm)/(8.3x11.7 in)
	A5	A5	(148x210 mm)/(5.8x8.3 in)
	A6	A6	
	B4 (JIS)	B4 (JIS)	(257x364 mm)/(10.1x14.3 in)
	B5 (JIS)	B5 (JIS)	(182x257 mm)/(7.2x10.1 in)
	B6	B6	
	11x17	11x17	(279.4x431.8 mm)/(11x17 in)
	Envelope Com10	Envelope Com10	(104.8x241.3 mm)/(4.1x9.5 in)
	Envelope DL	Envelope DL	(110x220 mm)/(4.3x8.7 in)
	Envelope C5	Envelope C5	(162x229 mm)/(6.4x9 in)
	Postcard	Postcard	(100x148 mm)/(3.9x5.8 in)
	16K	16K	(195x270 mm)/(7.7x10.6 in)
	Custom Size	Custom Size	
	[Custom Size Settings] Width; 90~311mm (3.55~12.25 inch) Length: 140~1200mm 5.50~47.24 inch)	[Custom Size Settings] Width; 90~311mm (3.55~12.25 inch) Length: 140~1200mm 5.50~47.24 inch)	

Table 2-4-2 Common PCL / PS Driver functions

		COMMON PCL	Common PS	Remarks
		PCL XL PROTOCOL 2.1	PS LEVEL 3	
Paper Size		Same as Original Size	Same as Original Size	
		Letter	Letter	(8.5x11 in)
		Legal	Legal	(8.5x14 in)
		Executive	Executive	(7.25x10.5 in)
		A3	A3	
		A4	A4	(210x297 mm)/(8.3x11.7 in)
		A5	A5	(148x210 mm)/(5.8x8.3 in)
		A6	A6	
		B4 (JIS)	B4 (JIS)	
		B5 (JIS)	B5 (JIS)	(182x257 mm)/(7.2x10.1 in)
		B6	B6	
		11x17	11x17	
		Envelope Com10	Envelope Com10	(104.8x241.3 mm)/(4.1x9.5 in)
		Envelope DL	Envelope DL	(110x220 mm)/(4.3x8.7 in)
		Envelope C5	Envelope C5	(162x229 mm)/(6.4x9 in)
		Postcard	Postcard	(100x148 mm)/(3.9x5.8 in)
		16K	16K	(195x270 mm)/(7.7x10.6 in)
		Custom Size	Custom Size	
Zoom		Auto	Auto	
		Manual (25-400%)	Manual (25-400%)	
Paper Tray		Auto	Auto	
		Manual Feed	Manual Feed	
Copies		1-9999	1-9999	
Combination		Off	Off	
		On	On	
		2 in 1	2 in 1	
		4 in 1	4 in 1	
		6 in 1	6 in 1	
		9 in 1	9 in 1	
		16 in 1	16 in 1	
Combination Details		Left-to-Right / Top-to-Bottom	Left-to-Right / Top-to-Bottom	
		Right-to-Left / Bottom-to-Top	Right-to-Left / Bottom-to-Top	
		Sideways from Upper-Left	Sideways from Upper-Left	
		Downward from Upper-Left	Downward from Upper-Left	
		Sideways from Upper-Right	Sideways from Upper-Right	
		Downward from Upper-Right	Downward from Upper-Right	
	Border	Off	Off	
		On	On	
		Frame	Frame	
		Line	Line	

Table 2-4-2 Common PCL / PS Driver functions

		COMMON PCL	Common PS	Remarks
		PCL XL PROTOCOL 2.1	PS LEVEL 3	
Rotate 180		Off	Off	
		On	On	
Skip Blank Pages		Off	N/A	
		On	N/A	
Print Type		1-Sided	1-Sided	
		2-Sided	2-Sided	
		Booklet	Booklet	
Booklet Details				
	Binding Direction	Left Binding / Top Binding	Left Binding / Top Binding	
		Right Binding / Bottom Binding	Right Binding / Bottom Binding	
	Border	Off	Off	
		On	On	
Select Color		Auto Color	Auto Color	
		Gray Scale	Gray Scale	
Font Settings				
	Download Font Format	NA	Auto	
		Outline	Outline	
		Bitmap	Bitmap	
		NA	Native TrueType	
	Use Printer Fonts	Off	Off	
		On	On	
Configure and Settings Tab				
Software Tools		Web Connection	Web Connection	
EMF Spool		Off	N/A	
		On	N/A	
Display Constraint Message		Off	Off	
		On	On	
Display paper set in Print Server Properties		Off	Off	
		On	On	

Supported PDL Protocols

- KONICA MINOLTA Universal PCL: PCLXL Protocol 2.1
- KONICA MINOLTA Universal PS: Postscript Level 3

Even if PDL is shown as supported, printing may not be possible if the output device's protocol is below that of the UPD.

3. Install and Uninstall of the UPD

3.1 INSTALL AND UNINSTALL

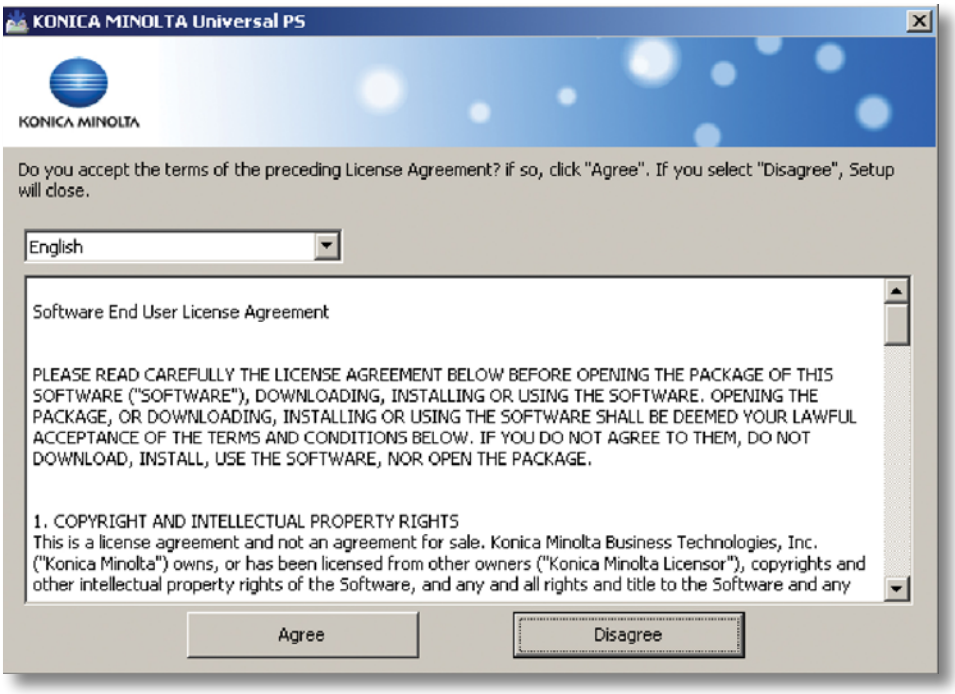
KONICA MINOLTA Universal Printer Driver includes an installer and uninstaller, which let you easily install and uninstall the software. You can also perform these actions manually, without using the installer or uninstaller.

Installation

Method 1: Installing Using the Included Installer

1. Run the following exe file.
   - UPDSetup.exe (for 32-bit environments)
   - UPDSetup64.exe (for 64-bit environments)

2. Check the Software End User License Agreement, and if there are no problems, click Agree.


KONICA MINOLTA Universal PS
KONICA MINOLTA
Do you accept the terms of the preceding License Agreement? if so, click "Agree". If you select "Disagree", Setup will close.
English
Software End User License Agreement
PLEASE READ CAREFULLY THE LICENSE AGREEMENT BELOW BEFORE OPENING THE PACKAGE OF THIS SOFTWARE ("SOFTWARE"), DOWNLOADING, INSTALLING OR USING THE SOFTWARE. OPENING THE PACKAGE, OR DOWNLOADING, INSTALLING OR USING THE SOFTWARE SHALL BE DEEMED YOUR LAWFUL ACCEPTANCE OF THE TERMS AND CONDITIONS BELOW. IF YOU DO NOT AGREE TO THEM, DO NOT DOWNLOAD, INSTALL, USE THE SOFTWARE, NOR OPEN THE PACKAGE.
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Agree
Disagree

Figure 3-1-1 Software End User License Agreement Dialog Box

3. Check the installation details, and click OK.

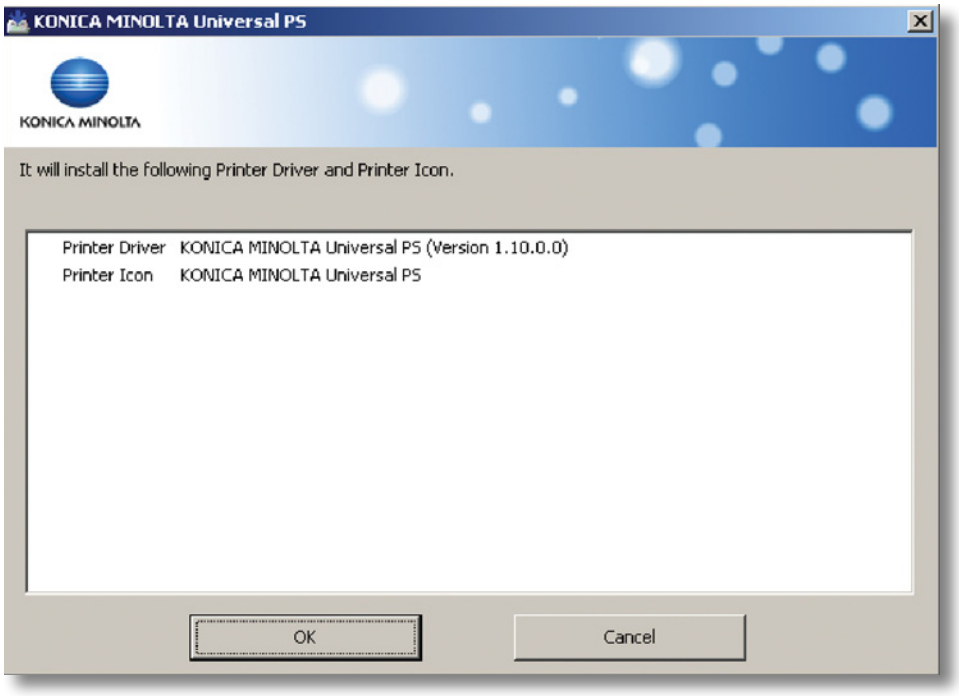
KONICA MINOLTA Universal PS
KONICA MINOLTA
It will install the following Printer Driver and Printer Icon.
Printer Driver KONICA MINOLTA Universal PS (Version 1.10.0.0)
Printer Icon KONICA MINOLTA Universal PS
OK
Cancel

Figure 3-1-2 Installation Details Confirmation Dialog Box

Note:

If KONICA MINOLTA Universal Printer Driver has already been installed on your computer, the dialog box below will appear in place of the one above. If you click OK, the uninstallation dialog box will start, enabling you to delete the existing driver (see steps 2 and later in Uninstallation, below). When you are finished, start the installer again, and install the new driver.

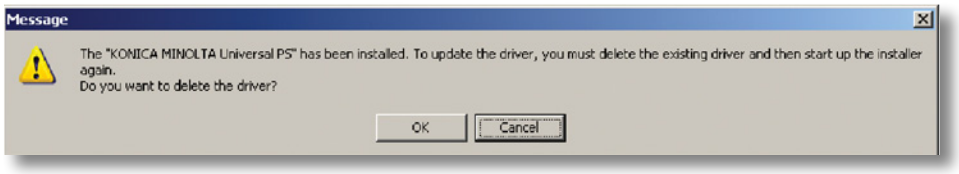
Message
The "KONICA MINOLTA Universal PS" has been installed. To update the driver, you must delete the existing driver and then start up the installer again.
Do you want to delete the driver?
OK
Cancel

Figure 3-1-3 Reinstallation Message Box

4. The installer runs.

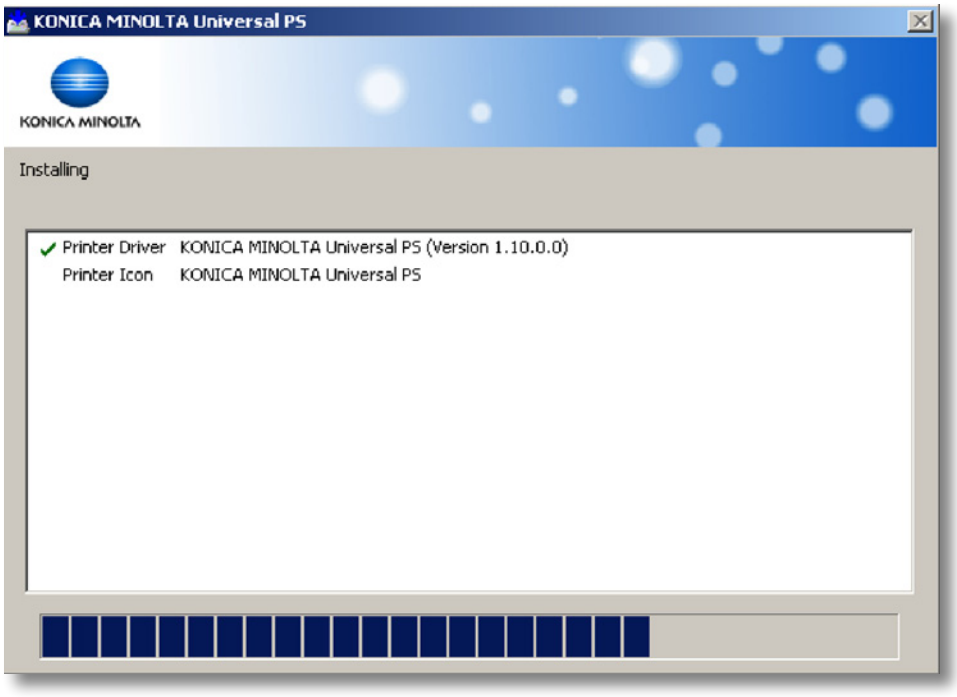
KONICA MINOLTA Universal PS
KONICA MINOLTA
Installing
Printer Driver KONICA MINOLTA Universal PS (Version 1.10.0.0)
Printer Icon KONICA MINOLTA Universal PS

Figure 3-1-4 Installing Dialog Box

5. When the dialog box below appears, installation is complete. Click OK to close the dialog box.

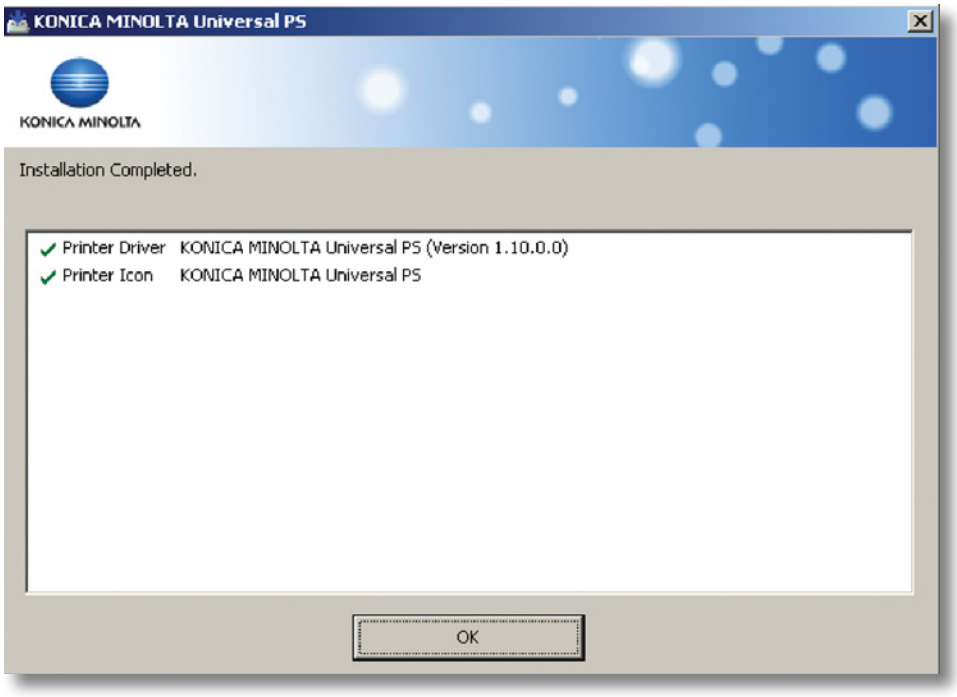

Figure 3-1-5 Installation Completed Dialog Box

Method 2: Manual Installation

Install the driver using the Windows "Add Printer" wizard. You can access the "Add Printer" wizard from the Printers folder.

NOTE:

In this document, the term "Printers" folder refers to the following folder.

- Windows XP / Server 2003: "Printers and Faxes" folder
- Windows 2000 / Vista / Server 2008: "Printers" folder
- Windows 7 / Server 2008 R2: "Devices and Printers" folder

Uninstallation

Method 1: If You Installed the Software Using the Included Installer

If you installed UPD using the included installer, then the uninstaller is installed on your operating system. Use that to uninstall the software.

1. Use one of the following methods to start the uninstaller.

   - Windows Vista / Server 2008 / 7
     Run [Start] menu -> [All Programs] -> [KONICA MINOLTA] -> [Universal PCL(PS)] -> [Uninstall Printer Driver]

     Select [Control Panel] -> [Programs and Features] and double click [KONICA MINOLTA Universal PCL(PS)]
   - Windows 2000 / XP / Server 2003
     Run [Start] menu -> [All Programs] -> [KONICA MINOLTA] -> [Universal PCL(PS)] -> [Uninstall Printer Driver]

     Select [Control Panel] -> [Add/Remove Programs] -> [KONICA MINOLTA Universal PCL(PS)] and click Delete

2. The Uninstallation Details Confirmation dialog box appears. Click OK.

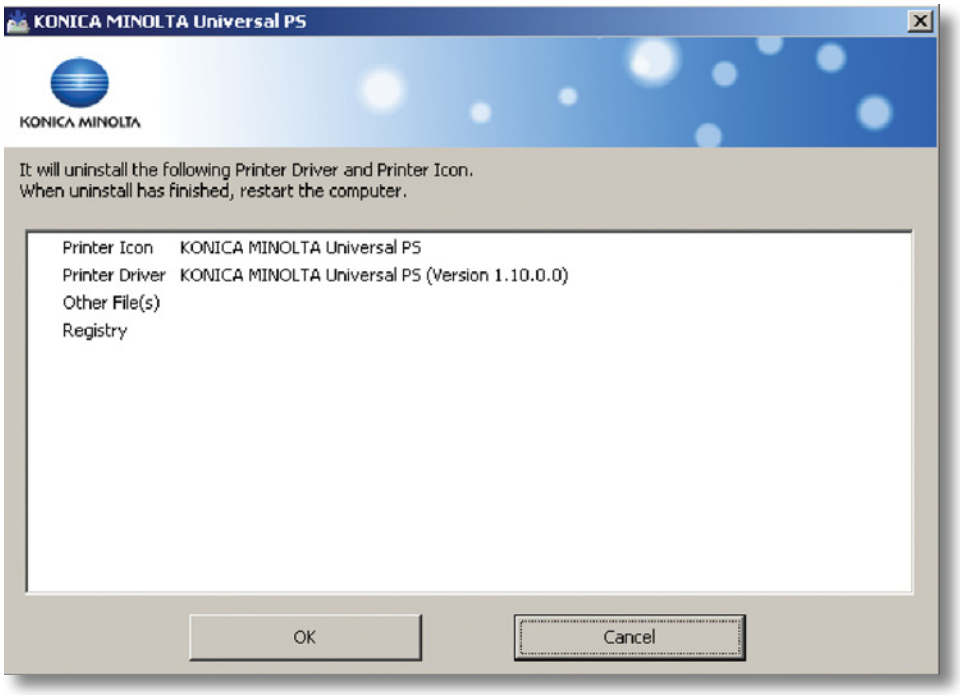
KONICA MINOLTA Universal PS
KONICA MINOLTA
It will uninstall the following Printer Driver and Printer Icon.
When uninstall has finished, restart the computer.
Printer Icon KONICA MINOLTA Universal PS
Printer Driver KONICA MINOLTA Universal PS (Version 1.10.0.0)
Other File(s)
Registry
OK
Cancel

Figure 3-1-6 Uninstallation Details Confirmation Dialog Box

3. The uninstallation process runs.

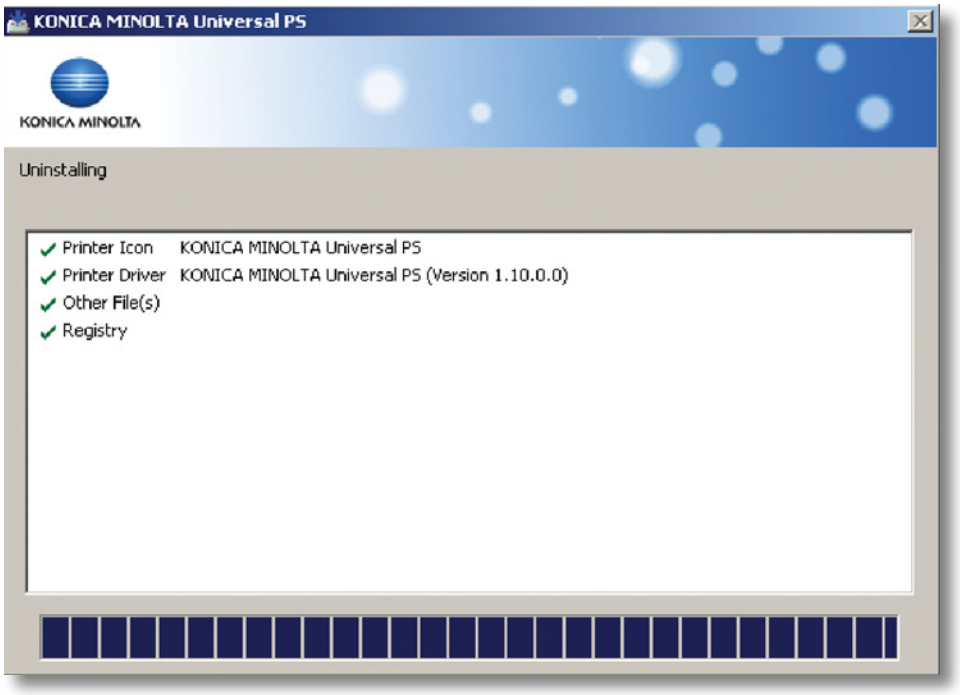

Figure 3-1-7 Uninstalling Dialog Box

4. After the process ends, click OK.

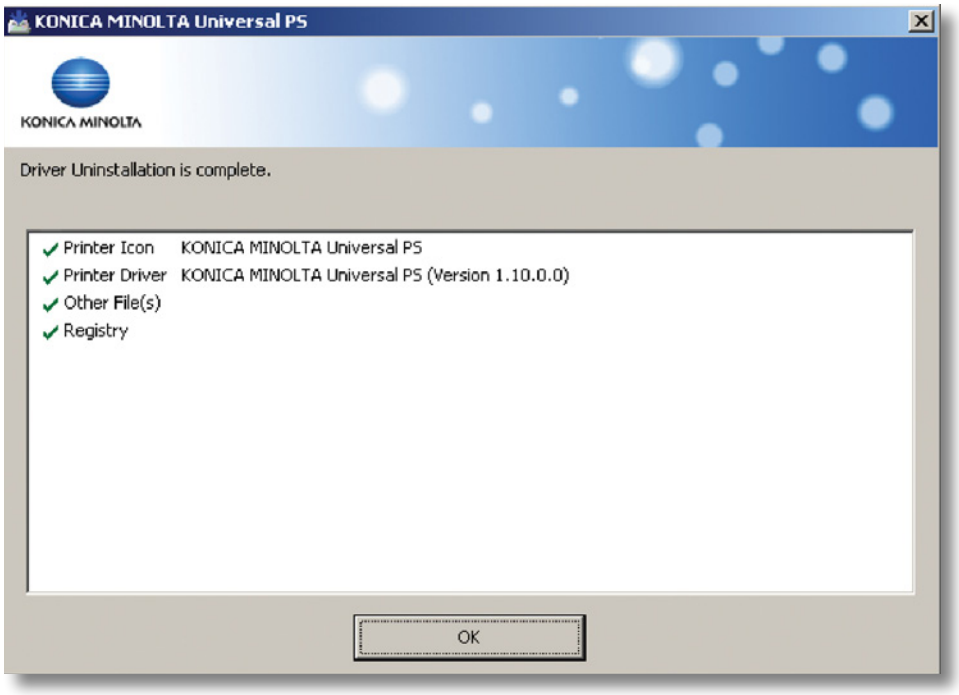

Figure 3-1-8 Uninstallation Complete Dialog Box

5. If there is no problems restarting your computer, click Yes. Your computer will restart to complete the uninstallation.

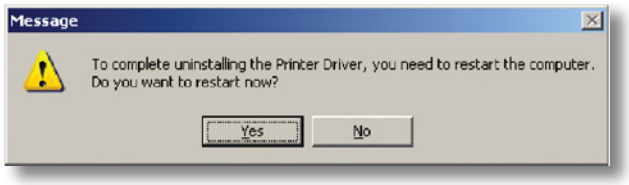

Figure 3-1-9 Restart Confirmation Dialog Box (1)

Note:

If you launched the uninstallation dialog via Figure 3-1-3 Reinstallation Message Box, the message shown below will appear in place of the one above. After restarting, please begin the installation process for the new driver again.

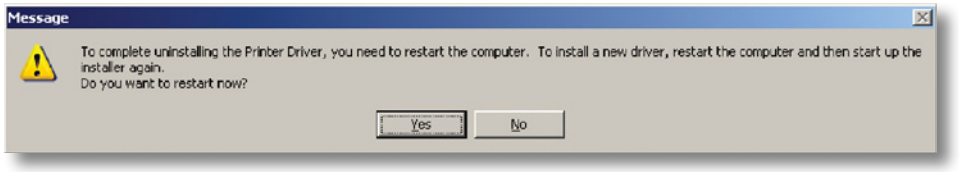
Message
To complete uninstalling the Printer Driver, you need to restart the computer. To install a new driver, restart the computer and then start up the installer again.
Do you want to restart now?
Yes
No

Figure 3-1-10 Restart Confirmation Dialog Box (2)

Method 2: Manual Uninstallation

If you installed UPD manually, you must uninstall it manually by following the procedure below.

1. From the Printers folder, delete the "KONICA MINOLTA Universal PCL(PS)" printer icon. If you created any printer icons in Traditional Mode (See section 4.3), delete all those icons as well.

2. From the "Print Server Properties" dialog box, on the "Drivers" tab, delete "KONICA MINOLTA Universal PCL(PS)".

3. From the Start menu, specify "regedit.exe". The registry editor starts.

4. In the registry editor, delete the following keys, then close the registry editor.

   - PCL
     <HKEY_CURRENT_USER\Software\KONICA MINOLTA\KONICA MINOLTA Universal PCL>
   - PS
     <HKEY_CURRENT_USER\Software\KONICA MINOLTA\KONICA MINOLTA Universal PS>

5. Delete the following folders if they exist.

   - 32-bit OS (Windows 2000/XP (x86)/Server 2003 (x86)/Vista (x86)/Server 2008 (x86)/7 (x86))
     <%SystemRoot%\system\32\spool\drivers\w32x86\konica_minoltauniverfe32>
   - 64-bit OS (Windows XP (x64)/Server 2003 (x64)/Vista (x64)/Server 2008 (x64)/7 (x64))
     <%SystemRoot%\system\32\spool/\drivers\x64\konica_minoltauniverfe33>

6. Delete the following folders if they exist.

   - Windows Vista (x86 / x64), Server 2008 (x86 / x64), 7 (x86 / x64)
     <%USERPROFILE%\AppData\Roaming\KONICA MINOLTA\UniversalDriver>
   - Windows 2000, XP (x86 / x64), Server 2003 (x86 / x64)
     <%USERPROFILE%\Application Data\KONICA MINOLTA\UniversalDriver>

NOTE:

The installer included with Version 1.10.0.0 / 1.10.1.0 uninstalls old versions of UPD, and then installs Version 1.10.0.0 / 1.10.1.0, so there is no need to perform the uninstallation manually.

3.2 USE POINT & PRINT

You can share using Point & Print with KONICA MINOLTA Universal Printer Driver. Follow the steps below to print using Point & Print.

1. Install UPD on your server, and then create a printer icon in Traditional Mode. (See section 4.3 for details.)
2. Configure the printer icon you created for sharing.
3. From a client PC, access the shared printer icon on the server, and download and install it.
4. Print using the installed child driver.

NOTE:
We do not recommend sharing via Dynamic Mode, and accessing it from a client. Although it is also possible to print using Dynamic Mode, it will not be possible to open the Device Selector dialog box on the client computer, so the device that was last connected to the server will perform the printing. (See Chapter 4 for details about Dynamic Mode and Traditional Mode.)

Updating UPD in Point & Print Environment

If you wish to delete an older version of UPD and install a new version in the Point & Print environment, then in order to delete UPD completely, you must delete UPD on the server, and also delete the shared printer drivers installed on the client PC. The procedure is as follows.

Method 1: Using the uninstaller

1. On the client PC, execute the following file from the UPD installation package.
   - UPDSetup.exe (for 32-bit environments)
   - UPDSetup64.exe (for 64-bit environments)
2. Check the Software End User License Agreement, and if there are no problems, click Agree.

3. Install and Uninstall of the UPD

3. After the dialog below appears, click OK.

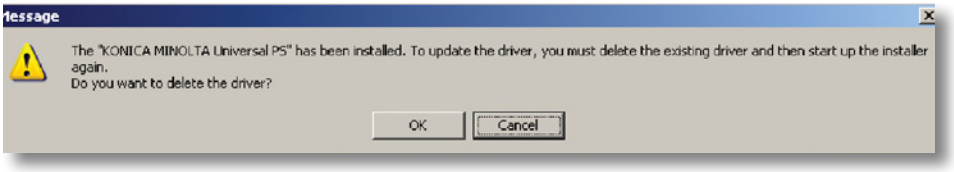
Message
The "KONICA MINOLTA Universal PS" has been installed. To update the driver, you must delete the existing driver and then start up the installer again.
Do you want to delete the driver?
OK
Cancel

Figure 3-2-1 Reinstallation Message Box (2)

4. Make sure that the name of the shared printer icon you wish to delete appears, and then click OK to start the deletion.

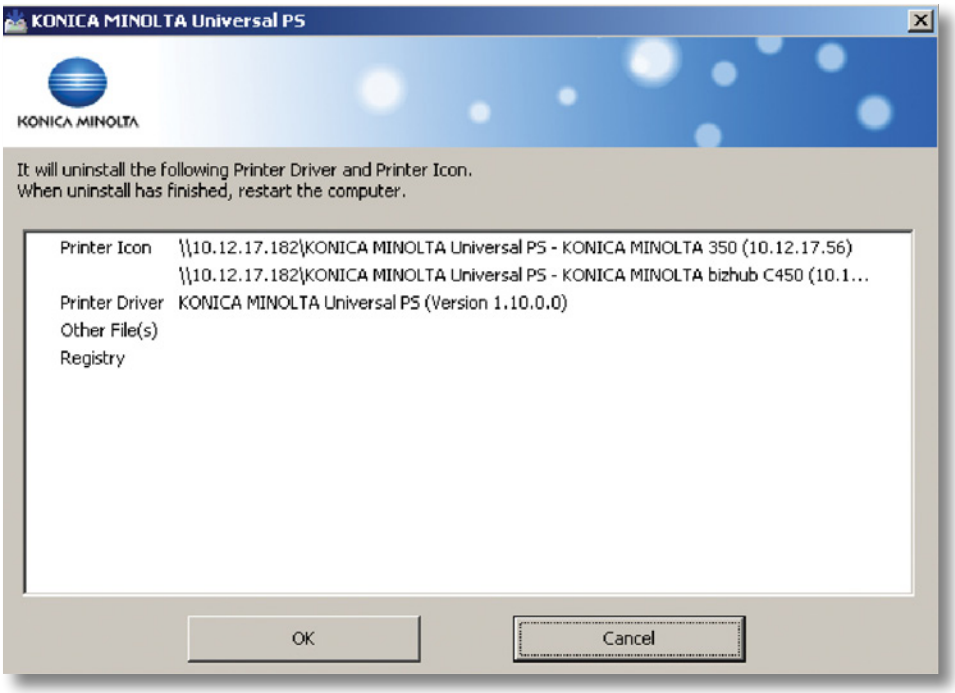
KONICA MINOLTA Universal PS
KONICA MINOLTA
It will uninstall the following Printer Driver and Printer Icon.
When uninstall has finished, restart the computer.
Printer Icon
\\10.12.17.182\KONICA MINOLTA Universal PS - KONICA MINOLTA 350 (10.12.17.56)
\\10.12.17.182\KONICA MINOLTA Universal PS - KONICA MINOLTA bizhub C450 (10.1...
Printer Driver
KONICA MINOLTA Universal PS (Version 1.10.0.0)
Other File(s)
Registry
OK
Cancel

Figure 3-2-2 Uninstallation Details Confirmation Dialog Box (2)

5. After the deletion is complete, click OK to close the dialog.

Method 2: Deleting manually

1. On the client PC, open the Printers folder.

2. Delete all shared UPD printer icons.

3. From the "Print Server Properties" dialog box, on the "Drivers" tab, delete "KONICA MINOLTA Universal PCL(PS)".

4. In the registry editor, delete the following keys, then close the registry editor.

- PCL
  <HKEY_CURRENT_USER\Software\KONICA MINOLTA\KONICA MINOLTA Universal PCL>
- PS
  <HKEY_CURRENT_USER\Software\KONICA MINOLTA\KONICA MINOLTA Universal PS>

5. Delete the following folders if they exist.

- Windows Vista (x86 / x64), Server 2008 (x86 / x64), 7 (x86 / x64)
  <%USERPROFILE%\AppData\Roaming\KONICA MINOLTA\UniversalDriver>
- Windows 2000, XP (x86 / x64), Server 2003 (x86 / x64)
  <%USERPROFILE%\Application Data/\KONICA MINOLTA\UniversalDriver>

After you have deleted the shared printer drivers from the client PC, install the new version of UPD on the server, and then create a printer icon in Traditional Mode. Next, share the printer icon you created with the client PC.

3.3 INDIVIDUAL CHILD DRIVER UPDATES

You can use UPD to print with any device that was released for sale after the release of your UPD version, by using the following common child drivers included in UPD.

Types of common child drivers

- KONICA MINOLTA magicolor Series
- KONICA MINOLTA pagepro Series (same configurable features as magicolor Series)
- KONICA MINOLTA bizhub Series
- Common PCL / PS

If you select a device from the Network Search dialog box and connect to it, UPD will select the appropriate child driver automatically. You can also select the child driver of your choice from the Manual Connection dialog box.

Please note, however, that the less functionality will be available than the printer driver that is included on the software CD-ROM. For this reason, some models provide updated versions of UPD, or individual child drivers for these models via update packages.

An update package is a method to provide child drivers of new products. For details of update packages are described in the following section.

3.4 ADDING NEW KONICA MINOLTA MFPS TO YOUR INSTALLATION

You can use an update package to add new child drivers without uninstalling the UPD version you are currently using, or without deleting your printer icons created using UPD. Update packages are available from the KONICA MINOLTA website in the same way as other printer drivers.

Update Packages

- The purpose of this package is to add and update child drivers to the existing UPD already installed on your computer.
- The supported operating systems are the same as the UPD to be updated.
- It may be necessary to restart the computer when updating, depending on the contents of the update. A warning will appear when performing the update if a restart is required.
- After an update, the version of UPD will be upgraded. Check the procedure in section 4.4.
- The UPD versions supported for update are defined for each update package, and only supported versions can be updated. In general, UPD versions that were released after the update package cannot be updated.
- The user must have Administrator privileges in order to perform the update.
- When you perform an update, UPD must have been installed successfully. The update cannot be performed if some of the installed UPD configuration files are missing.
- We recommend using an update package with the same UI language as the installed UPD. Although it is possible to update with a different UI language, all of the UI text will not be changed after the update. If you change the UI language, please first uninstall UPD, and then install the UPD version with the desired UI language.

Updating UPD

Note: The actual appearance of the update tool may differ slightly from the screen captures shown below.

1. After making sure that the UPD dialog box is not open, run the file "UPDUpdate.exe" inside the update package.

2. The following window will appear if the update requires a restart. If there are no problems with this, click **Yes**.

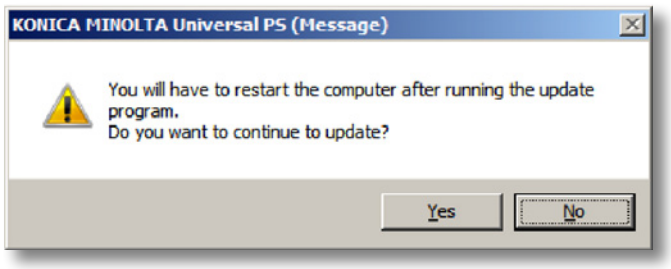
KONICA MINOLTA Universal PS (Message)
You will have to restart the computer after running the update program.
Do you want to continue to update?
Yes
No

Figure 3-4-1 1 PC Restart Warning Message

3. Check the update details, and click **OK**.

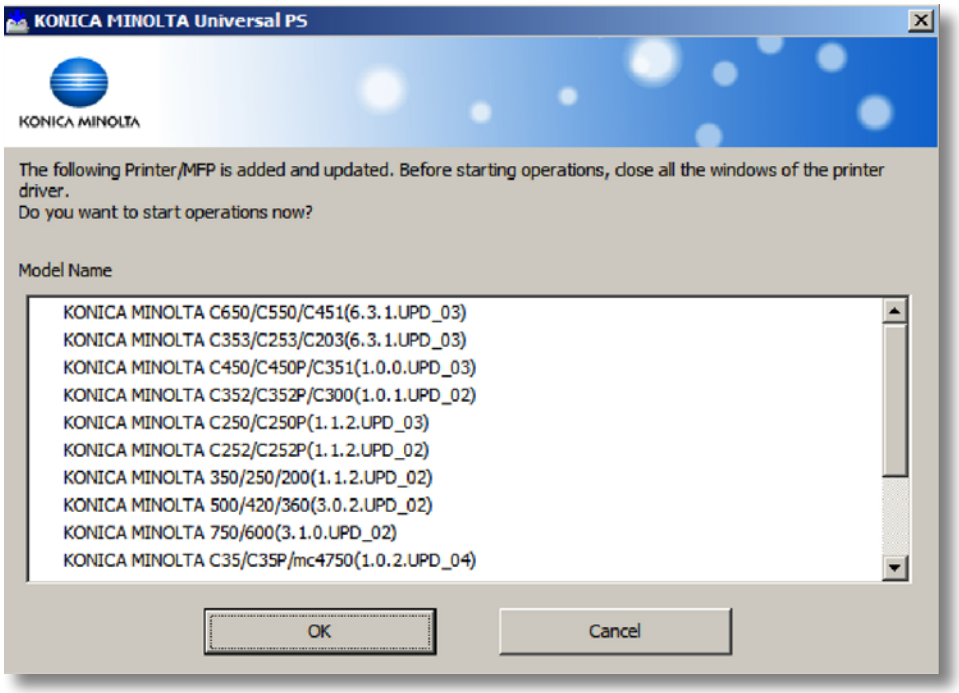

Figure 3-4-2 Update Details Confirmation Dialog Box

4. The update starts.

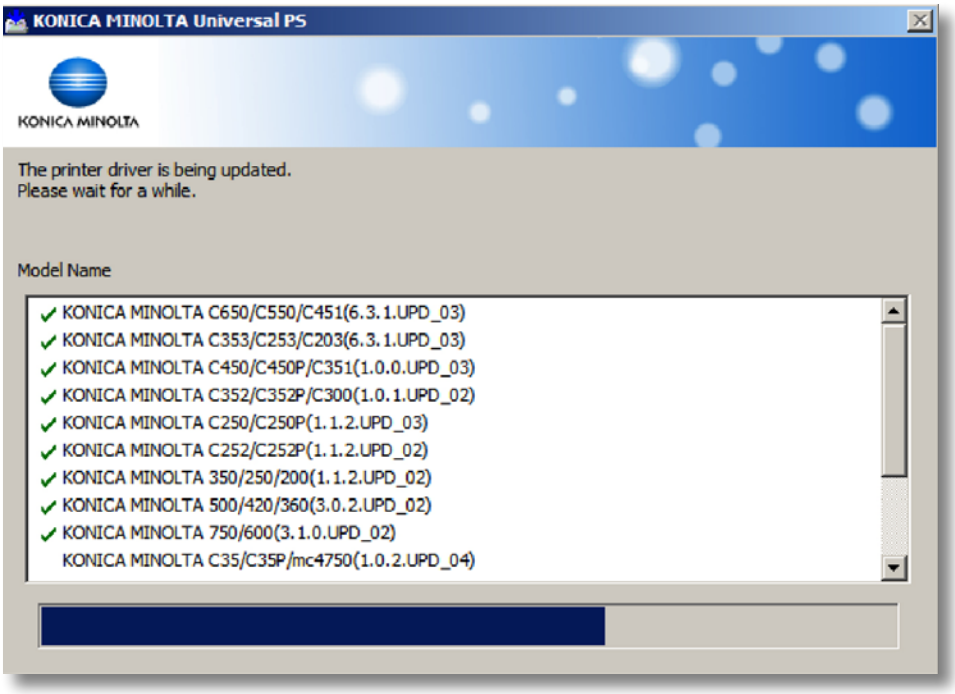

Figure 3-4-3 Updating Dialog Box

5. After the processing is complete, the window in Figure 3-4-4 will appear if a restart is required. If it is not, the window in Figure 3-4-5 will appear. Clicking OK here will close this window, but if a restart is required, you must then select a restart method in the window in Figure 3-4-4. Select “Restart now” and click OK to restart the computer automatically. Selecting “Restart later” will only close the window; the computer will not be restarted automatically. In order to complete the update, you will need to restart the computer manually later.

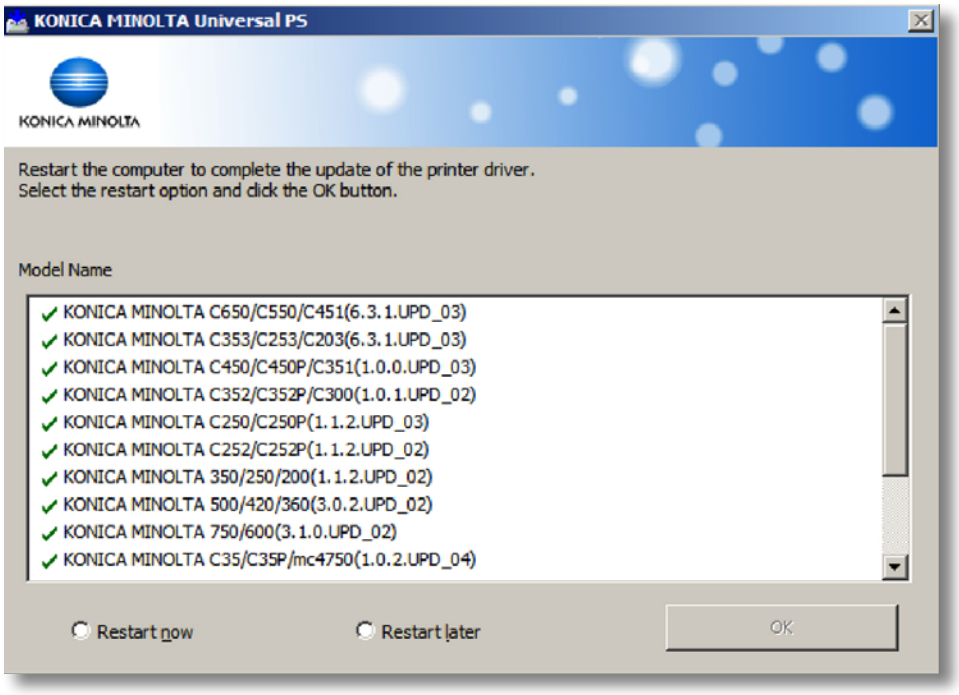

Figure 3-4-4 Update Complete Dialog Box 1

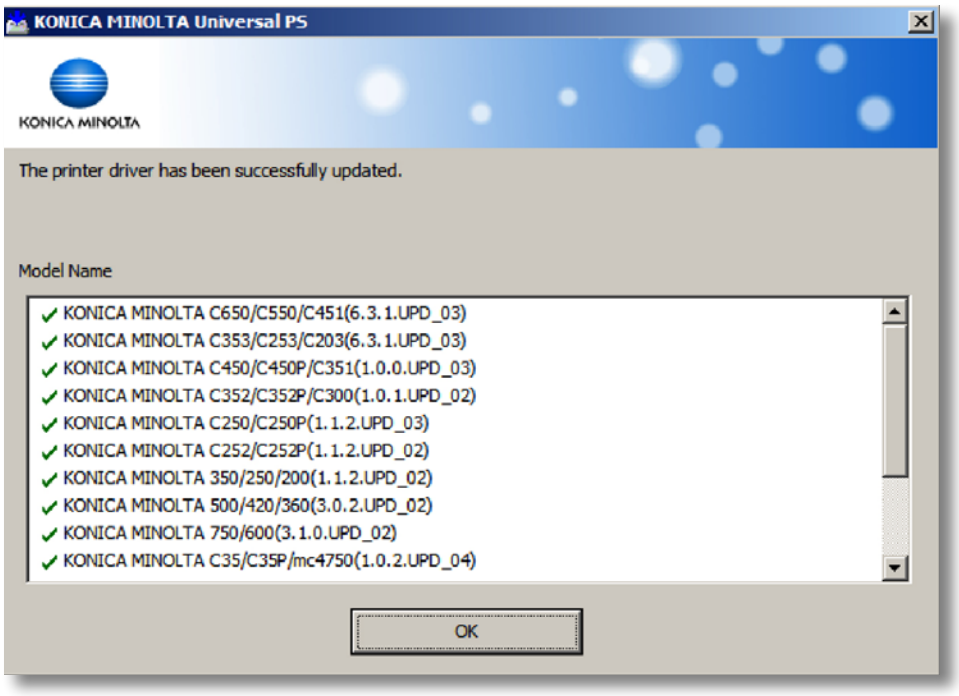

Figure 3-4-5 Update Complete Dialog Box 2

4. Using the Universal Print Driver

Using a New Child Driver

After updating UPD, you can essentially use the new child driver in the same way as you normally would. If you have created printer icons using Traditional Mode, however, then even if a new child driver for that printer is added or changed by the update, the icon will still call the old child driver. If you want to call a newly added child driver from a printer icon crated in Traditional Mode, then you must create the icon again by following the steps below.

1. From the Windows Printers folder, delete the Traditional Mode printer icon of the printer you want to update.
2. In the Windows Printers folder, right click on the "KONICA MINOLTA Universal PCL(PS)" icon, and select Print Setup.
3. The KONICA MINOLTA Universal Printer Driver Device Selector opens.
4. Create the printer icon mentioned in step 1 again.
5. Log off from the operating system, and then log in again. (You do not need to restart the operating system.)

4.1 DYNAMIC MODE AND TRADITIONAL MODE

KONICA MINOLTA Universal Printer Driver has two modes: Traditional Mode and Dynamic Mode. Each mode has a different purpose.

Dynamic Mode

Use this mode to start the UPD's Device Selector, and access the child driver for each of your devices from there. We recommend you use this mode if you want to search for nearby available devices, or if you want to select the device to use each time you print.

Traditional Mode

This mode is for when you have already created a printer icon using UPD's Device Selector, and then access the specific driver for your printer directly from this icon. Once you have created an icon, you can use it in exactly the same way as an ordinary printer driver. We recommend this mode if you always use the same printer, or similar situations.

4.2 USING DYNAMIC MODE

This section describes how to print in Dynamic Mode. In Dynamic Mode, you can select devices using one of three methods: Network Search, Manual Connection, and History. Dynamic Mode is not available to restricted users (e.g. with "User" privileges).

Network Search

Use Network Search to search for devices on the network, and select one of the matching devices that are found. The procedure for using Network Search is as follows.

1. From the Windows Printers folder, right click on the "KONICA MINOLTA Universal PCL(PS)" icon, and select Print Setup.

2. The KONICA MINOLTA Universal Printer Driver Device Selector opens.

3. Select "Network Search" from the pull-down list at the top of the Device Selector dialog box.

Note:

If there is no history data such as when you first open the Device Selector, "Network Search" will be selected automatically by default.

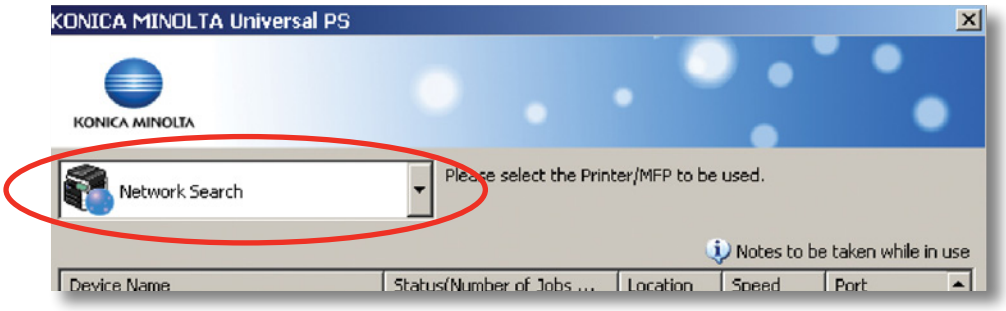

Figure 4-2-1 Network Search Selection

4. The Device Selector starts to search the network for devices.

Note:

Click Cancel at the bottom of the dialog box below to cancel the search.

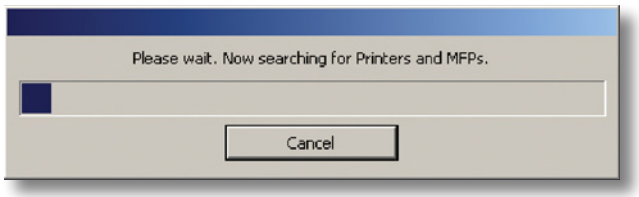

Figure 4-2-2 Searching Dialog Box

Notes:

- Click Refresh at the bottom of the Device Selector dialog box to perform the search again.
- Click Search Settings at the bottom of the Device Selector dialog box to open an advanced search settings dialog box. See Search Settings, below, for details.

5. A list of detected devices appears.

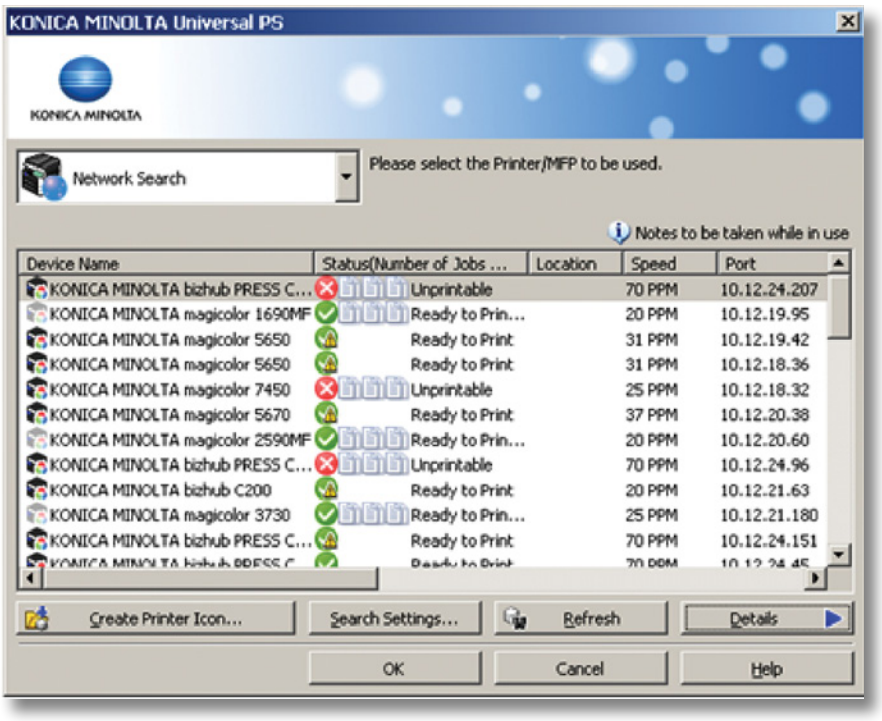
KONICA MINOLTA Universal PS
KONICA MINOLTA
Network Search
Please select the Printer/MFP to be used.
Notes to be taken while in use
Device Name
Status(Number of Jobs ...
Location
Speed
Port
KONICA MINOLTA bizhub PRESS C... Unprintable 70 PPM 10.12.24.207
KONICA MINOLTA magicolor 1690MF Ready to Prin... 20 PPM 10.12.19.95
KONICA MINOLTA magicolor 5650 Ready to Print 31 PPM 10.12.19.42
KONICA MINOLTA magicolor 5650 Ready to Print 31 PPM 10.12.18.36
KONICA MINOLTA magicolor 7450 Unprintable 25 PPM 10.12.18.32
KONICA MINOLTA magicolor 5670 Ready to Print 37 PPM 10.12.20.38
KONICA MINOLTA magicolor 2590MF Ready to Prin... 20 PPM 10.12.20.60
KONICA MINOLTA bizhub PRESS C... Unprintable 70 PPM 10.12.24.96
KONICA MINOLTA bizhub C200 Ready to Print 20 PPM 10.12.21.63
KONICA MINOLTA magicolor 3730 Ready to Prin... 25 PPM 10.12.21.180
KONICA MINOLTA bizhub PRESS C... Ready to Print 70 PPM 10.12.24.151
Create Printer Icon...
Search Settings...
Refresh
Details
OK
Cancel
Help

Figure 4-2-3 Network Search View

The following information is displayed for each device.

Table 4-2-1 Details about Devices in the Network Search View

Column Name	Description
Device Name	This shows the printer-type icon and the name of the device. See Table 2-4-1 Printer Type Icons for information about the printer-type icons.
Status(Number of Jobs Waiting)	This shows the device status as an icon and text. See Status Icon Specification, below, for details.
Location	This shows the location where the device is installed. The location must be entered on the device beforehand.
Speed	This shows the maximum print speed of the device in PPM.
Port	This shows the IP address (IPv4 or IPv6).
MAC Address	This shows the MAC address of the device.
Model Name	This shows the model name of the device.
Color/Black and White	This shows whether the device is a color or B&W printer.
PS3 (Only for PS version) PCL-XL (Only for PCL version)	This shows whether the device supports target PDL. Devices that do not support target PDL cannot be used.

6. Select a device from the list of detected devices, and click OK.

7. The Connection Confirm dialog box opens. Click OK to connect to the child driver for the selected device.

Note:

It may take some time to connect.

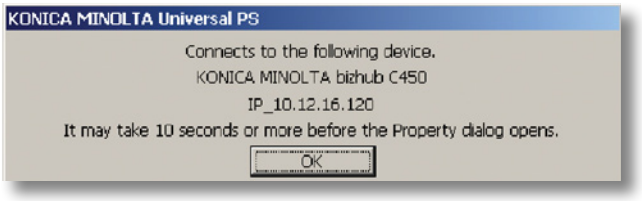
KONICA MINOLTA Universal PS
Connects to the following device.
KONICA MINOLTA bizhub C450
IP_10.12.16.120
It may take 10 seconds or more before the Property dialog opens.
OK

Figure 4-2-4 Example of Connection Confirmation Dialog Box

8. The child driver's dialog box appears. Use it to make advanced settings.

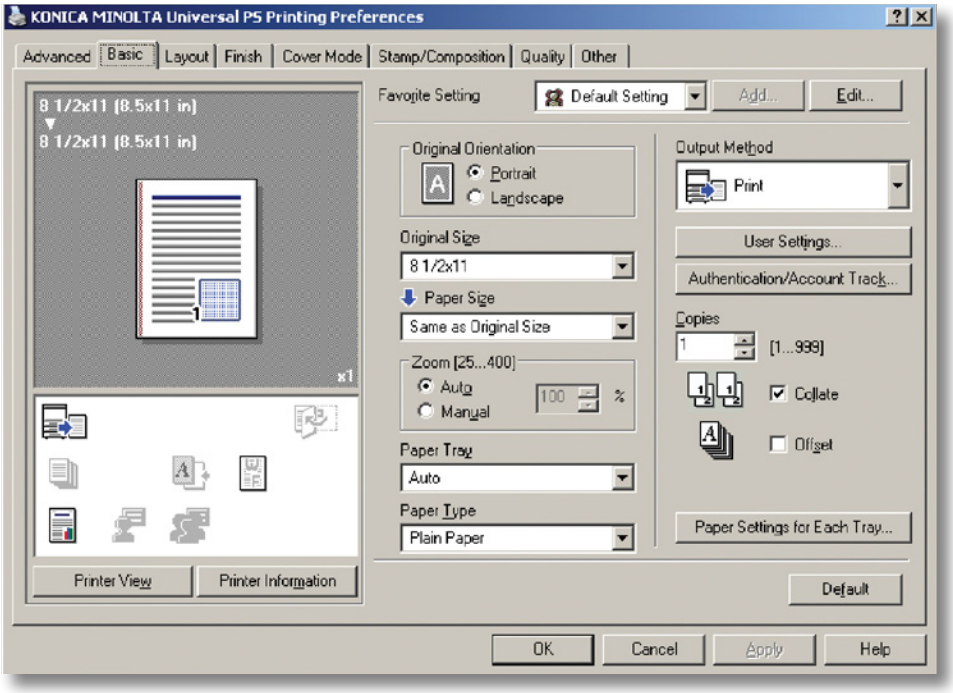

Figure 4-2-5 Example of Child Driver's Dialog Box (Dynamic Mode)

9. Click OK to close the child driver's dialog box.

10. Start your application, and open the file that you want to print.

11. Start the application's print dialog box.

12. From the printer pull-down list, select "KONICA MINOLTA Universal PCL (PS)".

13. Print the file.

Manual Connection

Use Manual Connection to select the printer device and child driver manually. The procedure is as follows.

1. From the Windows Printers folder, right click on the "KONICA MINOLTA Universal PCL(PS)" icon, and select Print Setup.

2. The KONICA MINOLTA Universal Printer Driver Device Selector opens.

3. Select "Manual Connection" from the pull-down list at the top of the Device Selector dialog box.

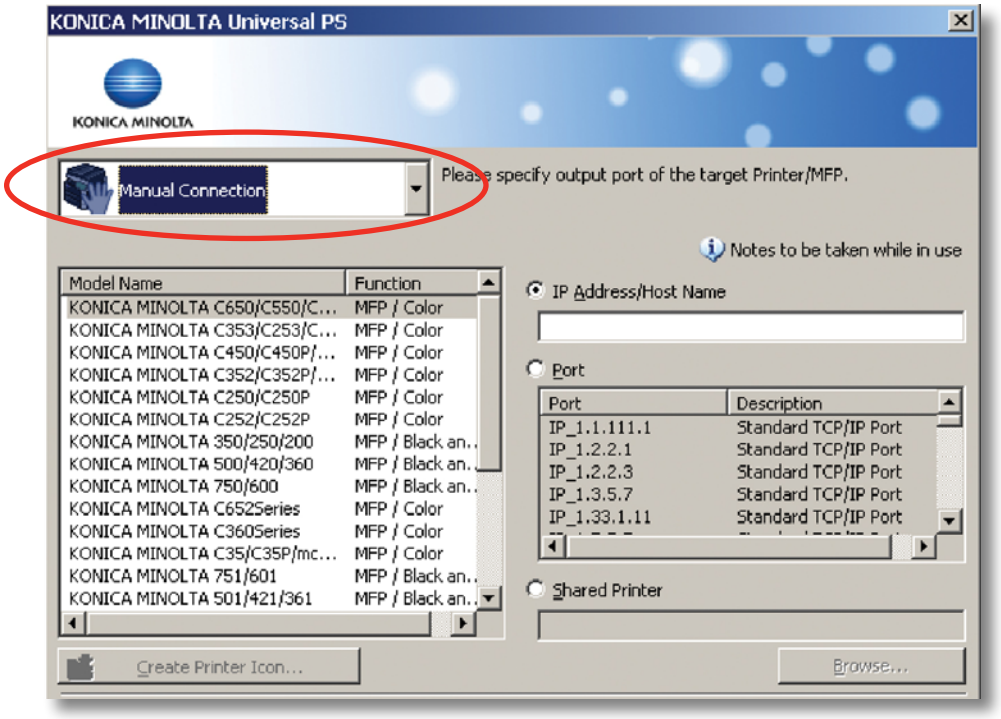

Figure 4-2-6 Example of Manual Connection View

4. Select the child driver to use from the list on the left of the dialog box.

5. Specify the connection in the right-hand side of the dialog box. There are three ways to specify the connection, as shown below.

- IP Address/Host Name
  You can specify the connection by entering the IPv4 address, IPv6 address, or host name directly. Fully Qualified Domain Names (FQDN) cannot be used, and up to 48 characters can be entered.
- PortSpecify the output device by the port registered with the operating system.
- Shared Printer
  Specify the output device by entering the path to a shared printer (e.g. "//server/printer"). Up to 239 characters can be entered. You can also click Browse to specify it while browsing for a shared printer.
  Note: The Browse button is not supported in Windows 7 (Server 2008 R2) and later operating systems.

6. After you have specified the child driver and connection, click OK.

7. Perform the same procedures following step 7 in Network Search.

History

You can connect to a device you have connected based on your history information. The procedure is as follows.

1.From the Windows Printers folder, right click on the "KONICA MINOLTA Universal PCL(PS)" icon, and select Print Setup.

2. The KONICA MINOLTA Universal Printer Driver Device Selector opens.

3. Select "History" from the pull-down list at the top of the Device Selector dialog box.

- If there is history data for devices you have connected to in the past, then "History" will be selected automatically by default. If there is no history data, "Network Search" will be selected by default.

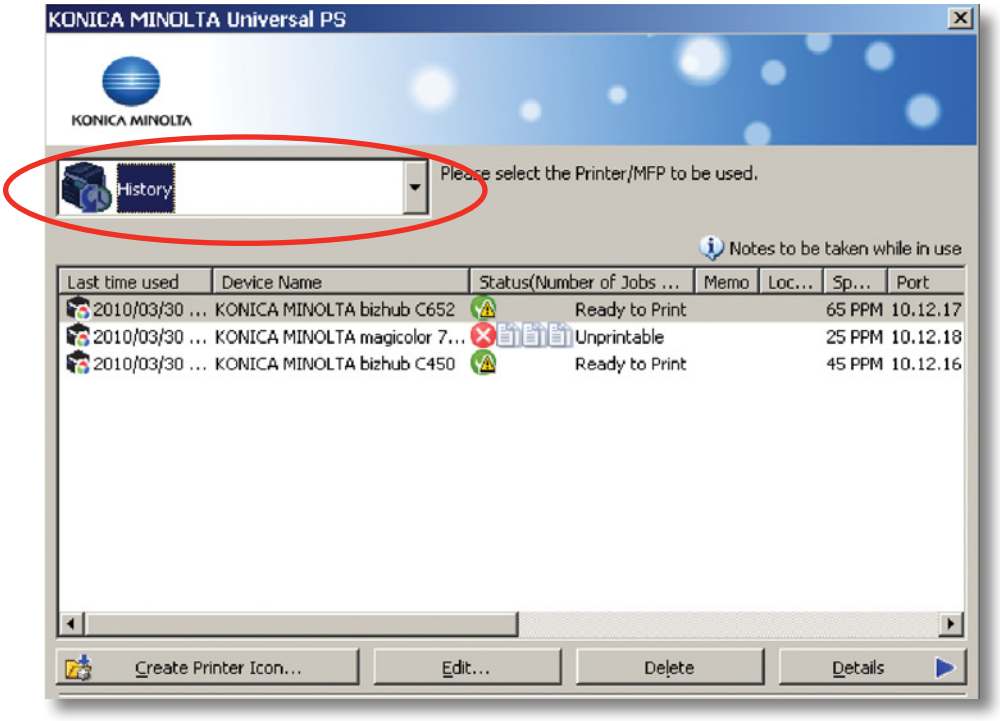

Figure 4-2-7 Example of History View

4. A list of the devices you have connected to appear in the dialog box.

The following information is displayed for each device.

Table 4-2-2 Details about Devices in the History View

Columne Name	Description
Last time used	This shows the printer-type icon and the last time the device was used. See Table 2-4-1 Printer Type Icons for information about the printer-type icons.
Device Name	This shows the name of the device.
Status(Number of Jobs Waiting)	This shows the device status and job-queue congestion as an icon and text. The display of the job queue status is only supported for KONICA MINOLTA devices. See Status Icon Specification, below, for details.
Memo	This shows the text you entered in Figure 4-2-8 History Edit Dialog Box.
Location	This shows the location where the device is installed. The location must be entered on the device beforehand.
Speed	This shows the maximum print speed of the device in PPM.
Port	This shows the port of the output device.
MAC Address	This shows the MAC address of the device.
Model Name	This shows whether the device supports target PDL. Devices that do not support target PDL cannot be used.
Color/Black and White	This shows whether the device is a color or B&W printer.
PS3 (Only for PS version) PCL-XL (Only for PCL version)	This shows whether the device supports target PDL. Devices that do not support target PDL cannot be used.

You can use the Edit and Delete functions to edit the list of devices on the History view.

- Edit function

  You can use the Edit dialog box below to edit the device's Memo column.

  You can start the Edit dialog box using one of the two methods shown below.

  > Select the device, and click Edit at the bottom of the dialog box.

  > Right click on the device to edit, and select Edit from the menu.

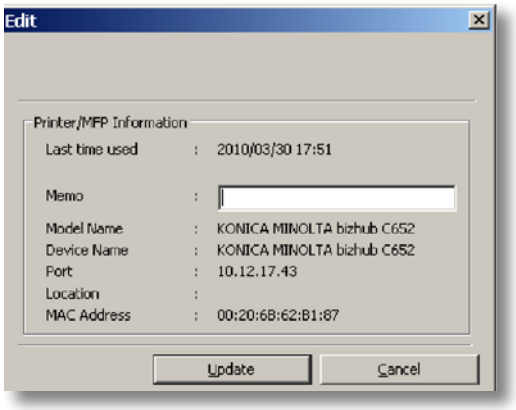

Figure 4-2-8 Example of History Edit Dialog Box

- Delete function
  You can delete devices from the list on the History dialog box by the two methods shown below.
  > Select the device, and click Delete at the bottom of the dialog box.
  > Right click on the device to delete, and select Delete from the context menu.

When you perform the method above, the confirmation dialog box shown below asking you to confirm the deletion. Click Yes to delete the device from the History view.

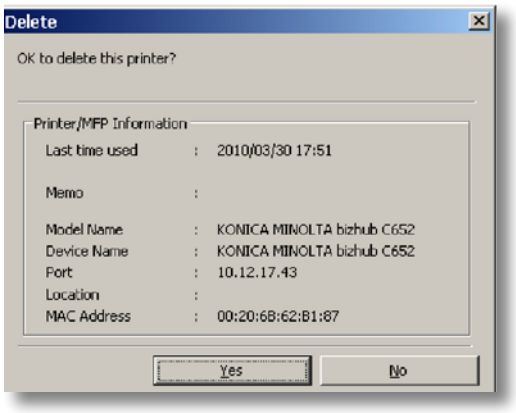

Figure 4-2-9 Example of History Delete Dialog Box

5. Select a device to output from the list of devices, and click OK.

6. Perform the same procedures following step 7 in Network Search.

Filtering Devices

You can specify parameters to filter devices on the Network Search and History views. Click Details at the lower right of the dialog box to display the Advanced Search Settings area, and specify your filter parameters.

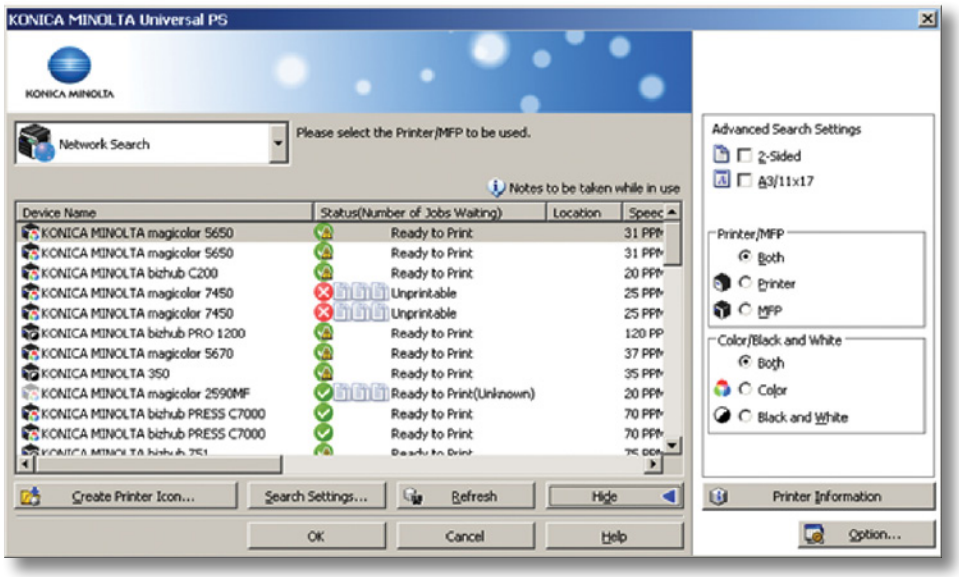

Figure 4-2-10 Example of Expanded View

Details of the filter parameters that you can specify are described below.

Table 4-2-3 Details about Devices in the History View

Parameter	Description
2-Sided	Select this checkbox to only show devices capable of two-sided printing.
A3/11x17	Select this checkbox to only show devices supporting A3 size and 11x17 inch paper. Note, however, that if this checkbox is selected, then devices will not be shown if they are unknown to support that size, or if they are third-party devices.
Printer/MFP	Select whether to display only printers, only MFP's, or both. Devices will be treated as printers if their type cannot be determined, or if they are third-party devices.
Color/Black and White	Specify whether to display only color printers, only B&W printers, or both.

Search Settings

When using "Network Search", you can set detailed search parameters in the "Search Settings" dialog box shown below.

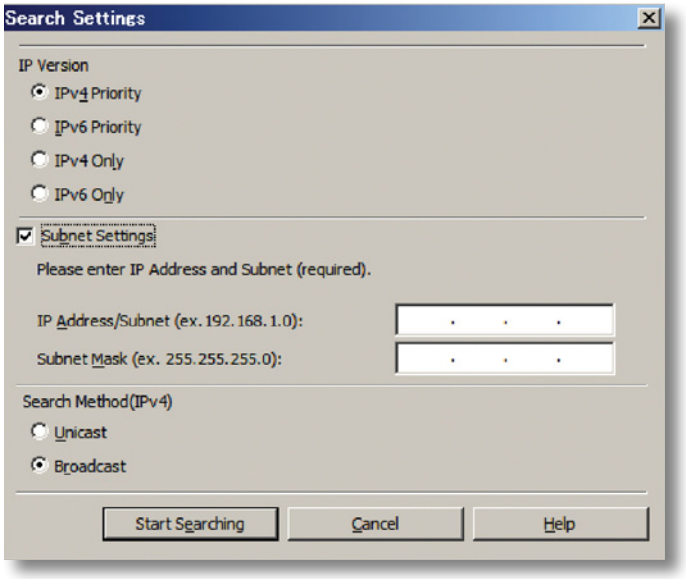

Figure 4-2-11 Search Settings Dialog Box

The settings and their descriptions are described below.

Table 4-2-4 Details about Devices in the History View

Parameter	Description
IP Version	Specify the IP protocol version to give priority for searching.
IPv4 Priority	Give priority to IPv4. This is the default for Windows Vista/ Server 2008 or later operating systems.
IPv6 Priority	Give priority to IPv6.
IPv4 Only	Only search for IPv4. “IPv4 Only” is the only choice available on Windows 2000/XP/Server 2003 (other choices will be grayed out).
IPv6 Only	Only search for IPv6.
Subnet Settings	Select this checkbox to set the subnet to search for. If this checkbox is cleared, then IP address and subnet mask are acquired for computers with UPD installed, and the search is performed on that computer’s subnet. This cannot be set if “IPv6 Only” is selected.
IP Address/Subnet	Specify the IP address of the subnet to search.
Subnet Mask	Specify the subnet mask of the subnet to search.
Search Method(IPv4)	Specify the IPv4 search method. This is grayed out if “IPv6 Only” is selected.
Unicast	Perform the search via unicast. This will make the search take longer, because the computer will communicate with devices on the network on a 1-to-1 basis. And also it may be possible to detect devices that were not detected using a broadcast.
Broadcast	Perform the search via broadcast. This reduces the search time, because it communicates with all the devices on the network at once.

NOTE:

If you specify a subnet other than that of the PC/server on which UPD is installed under "Subnet Settings," then a Broadcast request may not be able to pass through the router, depending on the router's configuration. If this happens, you can perform the search by changing the "Search Method" to Unicast.

Status Icon Specification

In the Network Search and History views, the "Status(Number of Jobs Waiting)" column shows icons indicating the device status and the length of the job queue. Each details is described below.

- Device Status
  IconThis icon indicates whether a warning or error has occurred on the device. To see details about a warning or error, use the Printer Information described below, or check the device directly.

Table 4-2-4A Device Status Icons

Device Status	Icon	Description
Ready		The device has no warnings or errors, and is ready to print.
Warning		There is a warning on the device, such as low toner or paper. Print is possible.
Unavailable		The device is unable to print, due to a device error, running out of paper, etc.
Unknown		The device status could not be acquired.

- Job Queue Icon
  This icon indicates the number of standby jobs on the device's queue.

Table 4-2-5 Job Queue Icons

Congestion	Queued Jobs	Icon
High	10+	
Medium	2-9	
Low	1	
No Jobs in Queue	0	
Unknown	Unknown	

Note, however, that the queue level will always be displayed as "unknown" for third-party devices.

The number in parentheses in the text to the right of the icon shows the number of currently queued jobs. The status information of these devices is updated every 10 seconds.

Options

The Option dialog box below enables you to set the Device Selector options and check the version. To display this dialog, click Details on the Device Selector dialog box to display the expanded view (Figure 4-2-10 Sample Expanded View), and then click Option in the lower right of that dialog box.

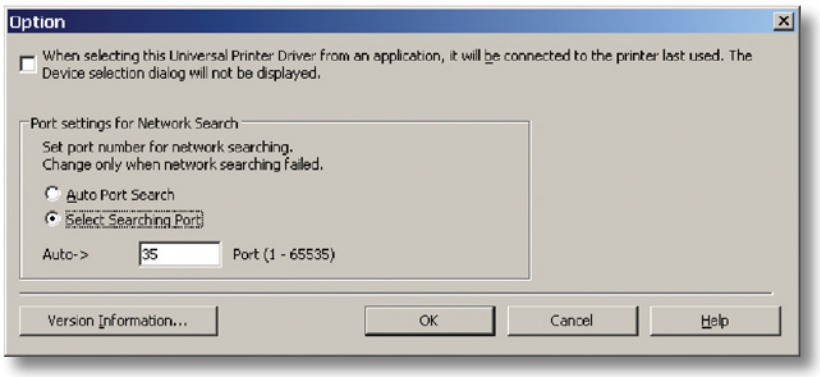
Option
When selecting this Universal Printer Driver from an application, it will be connected to the printer last used. The Device selection dialog will not be displayed.
Port settings for Network Search
Set port number for network searching.
Change only when network searching failed.
Auto Port Search
Select Searching Port
Auto->
35
Port (1 - 65535)
Version Information...
OK
Cancel
Help

Figure 4-2-12 Option Dialog Box

The settings available from this dialog box are described below.

Table 4-2-6 Option Dialog Box Settings

Setting	Description
When selecting this Universal Printer Driver from an application, it will be connected to the printer last used. The Device selection dialog will not be displayed.	When KONICA MINOLTA Universal Printer Driver is started with this checkbox is selected, the last child driver to be used will be opened, rather than the Device Selector. However, the Device Selector dialog box will open if a child driver has never been used.
Port settings for Network Search	Set the port number to use for network searches. Change this setting only when you cannot perform searches normally.
Auto Port Search	Search for the port automatically. This setting is used by default.
Select Searching Port	Set the port number. The default is 35. 1 to 65535 can be entered.
Version Information	Click Version Information to view the KONICA MINOLTA Universal Printer Driver Version Information dialog box (Figure 4-4-1 Version Information Dialog Box).

Printer Information

You can open the KONICA MINOLTA PAGE SCOPE Web Connection from the Device Selector, and check the device status from a Web browser. The procedure for checking the Printer Information is as follows.

- Select a device from the Network Search or History view, and click Printer Information. (The Printer Information can be found in the expanded area that appears when you click Details.)
- From the History view, right click on the device whose information you want to check, and select Printer Information from the context menu.

If a third-party device has the similar function to the KONICA MINOLTA PAGE SCOPE Web Connection, then you can also check its information using Printer Information.

4.3 USING TRADITIONAL MODE

This section describes how to print in Traditional Mode. In Traditional Mode, use the Device Selector to create a printer icon for the device you want to use, and then you use that printer icon to print.

Creating a Printer Icon

First, a user with Administrator privileges creates a printer icon. The procedure is as follows.

1. Open the Print Setup dialog box from "KONICA MINOLTA Universal PCL (PS)" in the Printers folder, o, and launch the Device Selector.

2. Using either History, Network Search, or Manual Connection, select the device for which you want to create an icon. (See section 4.2)

3. Click Create Printer Icon at the lower left of the Device Selector dialog box.

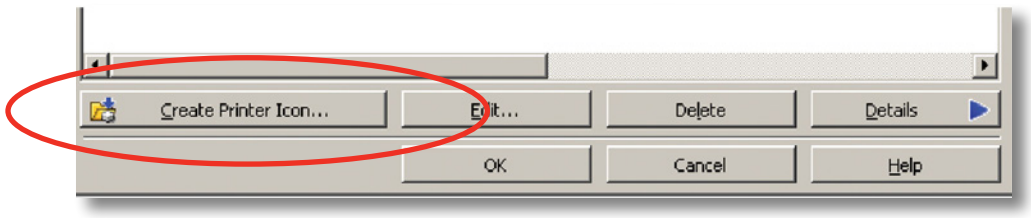

Figure 4-3-1 Create Printer Icon

4. The Create Printer Icon dialog box appears. Enter the name of the printer icon in the "Printer Icon Name" textbox, select the "Set as Default Printer" if you want to use this as the default printer, and then click Add.

- Up to 128 characters can be entered for Printer Icon Name. You cannot use the following characters: , ! \

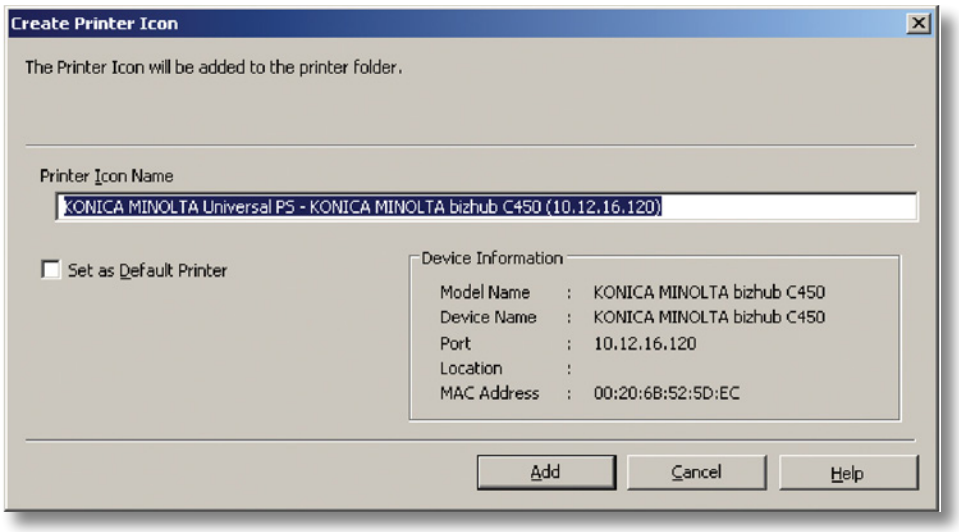
Create Printer Icon
The Printer Icon will be added to the printer folder.
Printer Icon Name
KONICA MINOLTA Universal PS - KONICA MINOLTA bizhub C450 (10.12.16.120)
Set as Default Printer
Device Information
Model Name : KONICA MINOLTA bizhub C450
Device Name : KONICA MINOLTA bizhub C450
Port : 10.12.16.120
Location :
MAC Address : 00:20:6B:52:5D:EC
Add
Cancel
Help

Figure 4-3-2 Create Printer Icon Dialog Box

5. When the creation of the printer icon is complete, the dialog box shown below appears. Click OK.

Figure 4-3-3 Printer Icon Created Message Box

6. The child driver dialog box for the specified device appears. Click OK or Cancel to close the dialog box.

7. Click Cancel to close the Device Selector dialog box.

8. Check that the printer icon you created is added to the Printers folder.

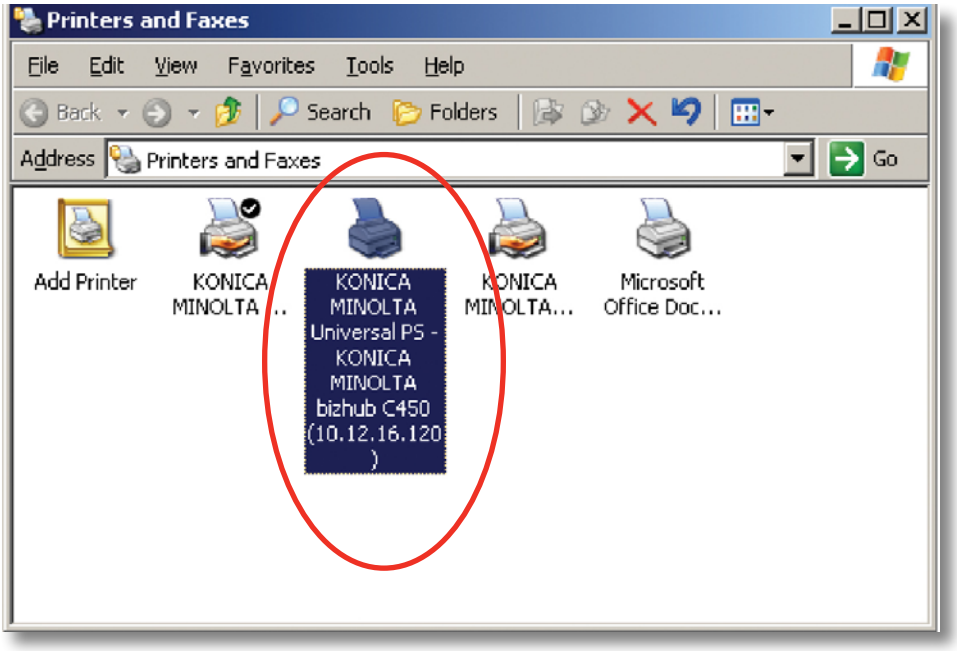

Figure 4-3-4 Example of Created Printer Icons

NOTE:

If you started UPD from a Server operating system's MMC (Microsoft Management Console), then Create Printer Icon will be disabled, and it will be impossible to create printer icons.

4. Using the Universal Print Driver

Printing in Traditional Mode

After you have created a printer icon, you can use it to print in the same way as when using a conventional printer driver. Unlike the case of Dynamic Mode, restricted users can print in Traditional Mode. The procedure is as follows.

1. Start the print dialog box of the application you want to print from.

2. Select the printer icon you created, and click Properties.

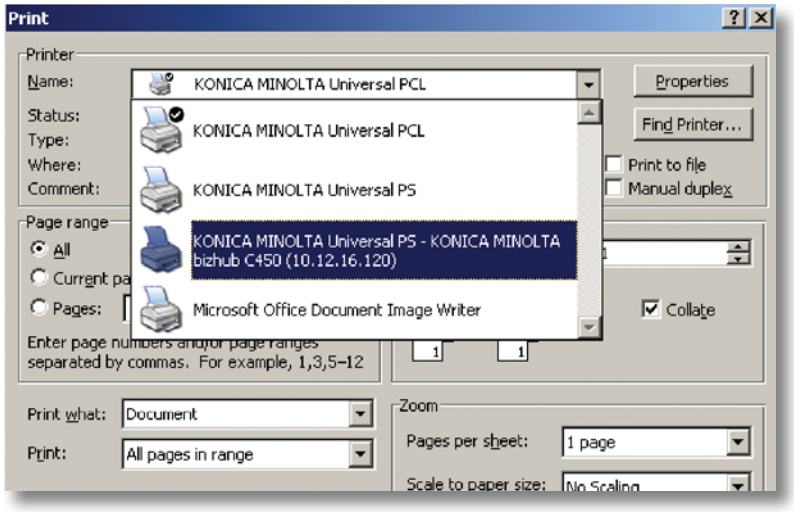

Figure 4-3-5 Print Dialog Box

3. When the child driver appears, configure printing, and click OK.

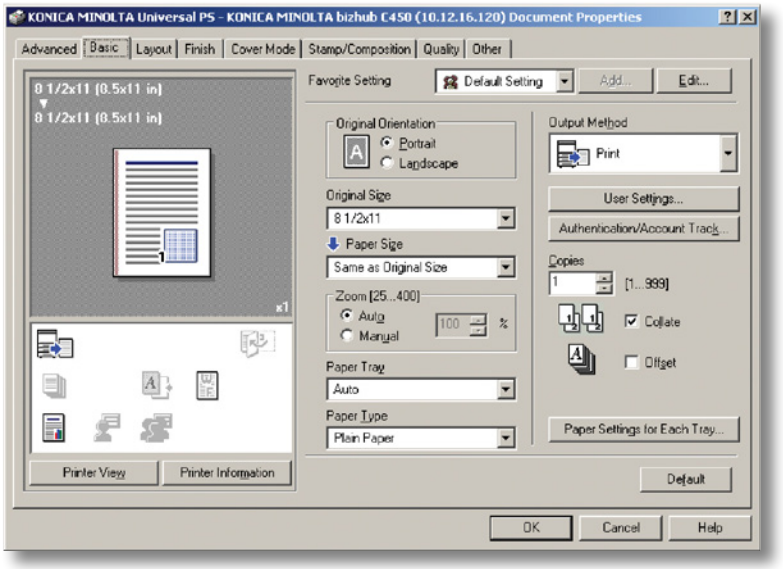

Figure 4-3-6 Example of Child Driver Dialog Box (Traditional Mode)

4. From the Print dialog box, click OK to print the file.

4.4 UPD VERSIONS

This section describes the details of the KONICA MINOLTA Universal Printer Driver version, and how to check it. UPD includes a version for UPD as a whole, as well as information about individual versions, including UPD's internal modules, Device Selector, and the child drivers.

UPD Version

You can check the overall UPD version, and the version of the Device Selector and other internal UPD modules from the Device Selector dialog box. The procedure is as follows.

1. From the Windows Printers folder, right click on "KONICA MINOLTA Universal PCL(PS)", and select Print Setup.
2. The KONICA MINOLTA Universal Printer Driver Device Selector opens.
3. Click Details to display the expanded view.
4. Click Option to start the Options dialog box.
5. Click Version Information.
6. The Version Information dialog box appears. Check the version.

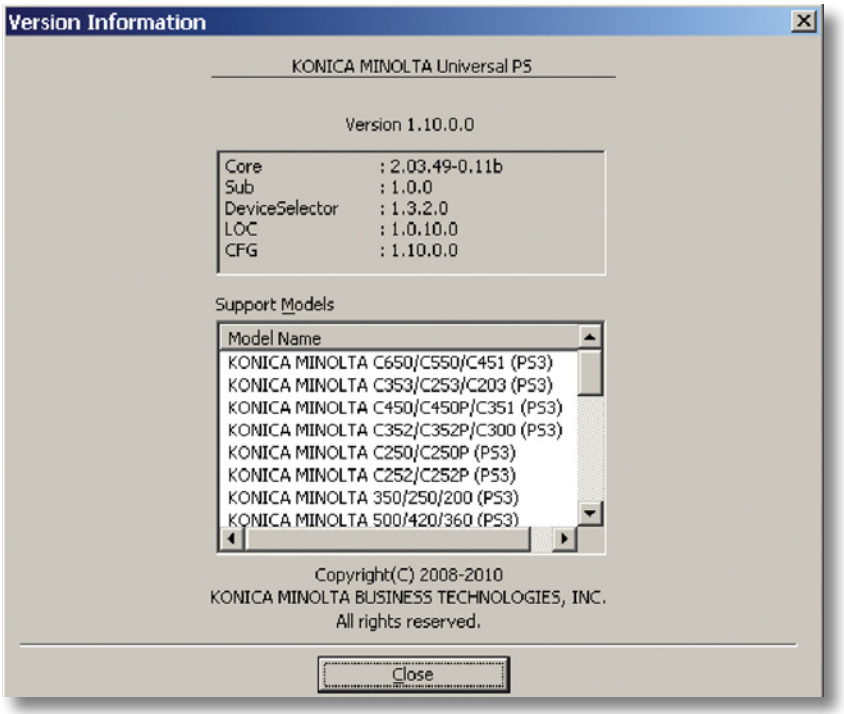

Figure 4-4-1 Version Information Dialog Box

The following version information can be checked from Figure 4-4-1 Version Information Dialog Box.

Table 4-4-1 Version Information Dialog Box Items

Parameter	Description
Version	This shows the overall UPD version. Even when one internal UPD module is changed, the version number is incremented. The version is also incremented after an update using the update tool.
Core	This is the UPD Core version.
Sub	This is the UPD Core sub-version.
Device Selector	This is the Device Selector version.
LOC	This is the Device Selector's localized version.

Child Driver Versions

You can check the version of a child driver from that child driver's dialog box. The procedure is as follows.

1. From either Dynamic Mode or Traditional Mode start the dialog box of the child driver whose version you want to check.

2. From the "MyTab" tab or "Other" tab, click Check Driver Version.

3. The Check Driver Version dialog box shown below appears.

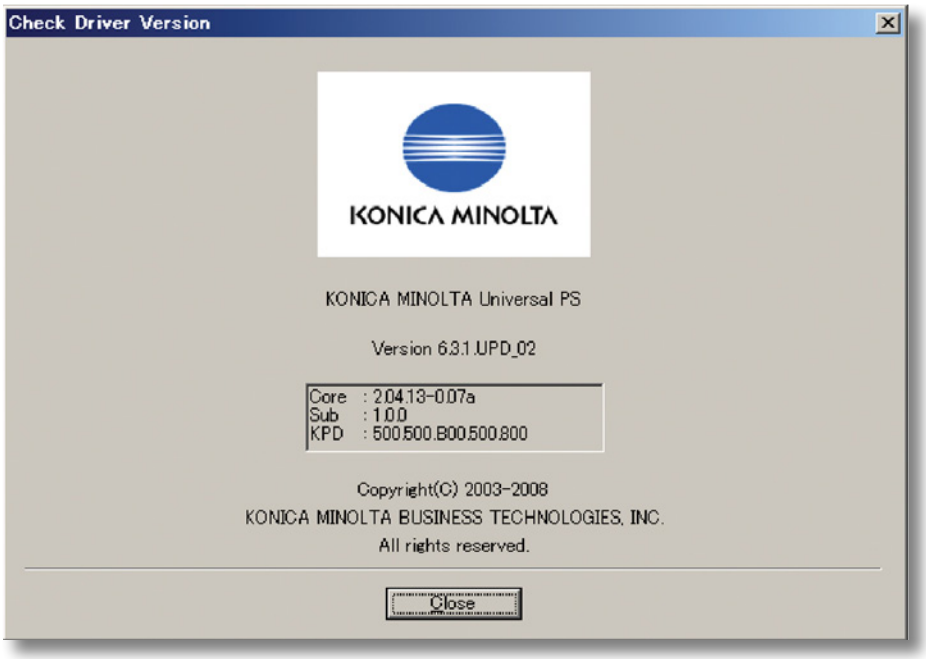

Figure 4-4-2 Check Driver Version Dialog Box

The following version information can be checked in the above dialog box.

Table 4-4-2 Items of Check Driver Version Dialog Box

Parameter	Description
Version	The version of the child driver. Each child driver has an independent version.
Core	This is the Child Driver Core version.
Sub	This is the Child Driver Core sub-version.
KPD	This is the customization file version of the child driver.

5. Frequently Asked Questions

5.1 IS THE CLUSTER SERVER ENVIRONMENT SUPPORTED?

Yes, cluster server environment is currently supported in the PCL version of the Universal Printer Driver through a special UPD release. Please contact your Konica Minolta Service and Support Division to request this special UPD release. PS UPD support is excepted by the end of 2010.

5.2 IS THE CITRIX ENVIRONMENT SUPPORTED?

Yes, Citrix environment is currently supported in the PCL version of the Universal Printer Driver through a special UPD release. Please contact your Konica Minolta Service and Support Division to request this special UPD release. PS UPD support is excepted by the end of 2010.

5.3 HOW TO FIND THE SUPPORTED OR NON SUPPORTED PRODUCTS BY UPD?

The devices in the UPD device list with the "PDL Support - Yes -" icon shown in Table 2-4-1 Printer Type Icons of section 2.4 in the leftmost column support PDL. Those with the "PDL Support - No -" icon do not support it.

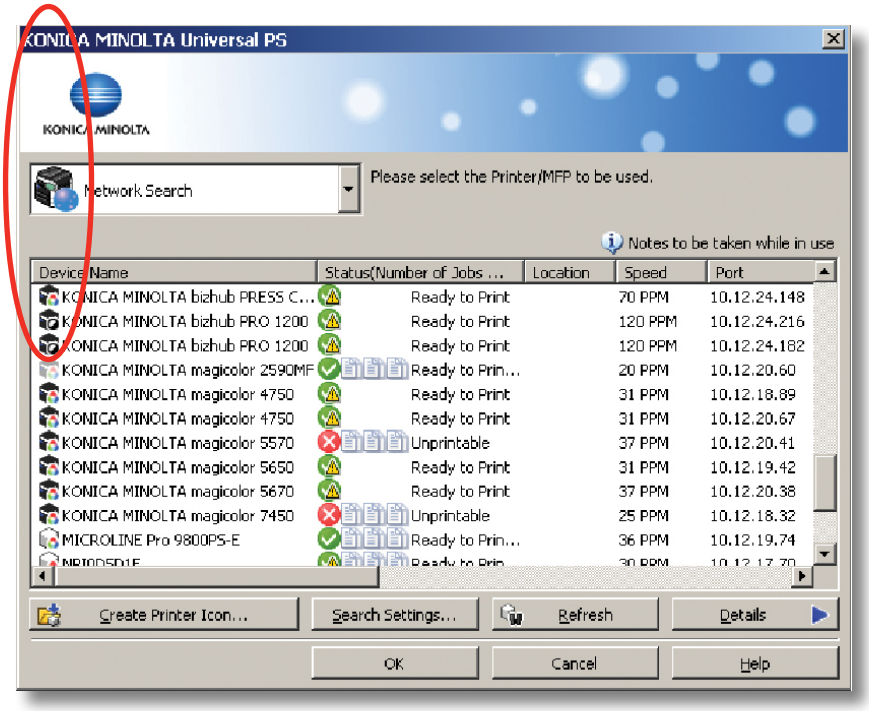

Figure 5-3-1 Example of Printer Type Icon Page View

5.4 CAN I USE MYTAB FUNCTION?

If MyTab is available from the individual driver for that Konica Minolta device, then it is also available from UPD.

Specifically, it is available for the following models.

- bizhub C35 / C35P / magicolor 4750
- bizhub C652DS / C552DS / C452
- bizhub C360 / C280 / C220

5.5 USER PROFILE SIZE OF WINDOWS SYSTEM HAS BEEN EXPANDED AFTER INSTALLING UPD.

Individual configuration information for connected devices is shown for each login user, expanded in the User Area. For this reason, when you first connect a model that has not been connected before, then the user profile will be large (about 10MB per Child Driver), but subsequently, after the necessary connections are complete, it will not become larger no matter how many times you connect that model.

NOTE:

The following folders are “hidden folders”

- Windows Vista (x86 / x64), Server 2008 (x86 / x64), 7 (x86 / x64)
  <%USERPROFILE%\AppData\Roaming\KONICA MINOLTA\UniversalDriver>

- Windows 2000, XP (x86 / x64), Server 2003 (x86 / x64)
  <%USERPROFILE%\Application Data\KONICA MINOLTA\UniversalDriver>

5.6 CAN NON PC ADMINISTRATOR ALSO OPERATE UPD WITHOUT ANY RESTRICTIONS?

If a user without port-creation privileges (e.g. having "User" privileges) tries to start the Device Selector, then the following message will appear, and the Device Selector will not start.

KONICA MINOLTA Universal PS
Only users who have administrative privileges can use this printer driver. It is necessary to add the printer to the printer folder with administrator privileges to enable the limited user's using.
OK

Figure 5-6-1 Sample Warning Message when Starting Device Selector

In this case as well, you can still print to connections that have been pre-configured by an administrator.

5.7 IS THE WINDOWS 7 DEVICE STAGE SUPPORTED?

No, support is not available. If you access the KONICA MINOLTA Universal Printer Driver icon from the Devices and Printers window of Windows 7, the spooler window will open instead of the Device Stage window.

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